

chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5

chain bonds :

1-10 6-7 6-8 7-11

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

11:Atom

Generic attributes :

11:

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

Type of Ring System : Monocyclic

Element Count :

Node 11: Limited

C,C4

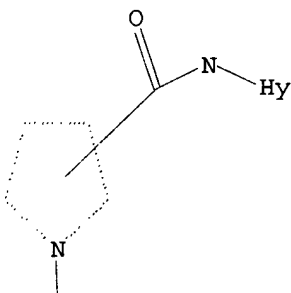
S,S1

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:59:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 87815 TO ITERATE

2.3% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1738707 TO 1773893
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 11:59:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 753988 TO ITERATE

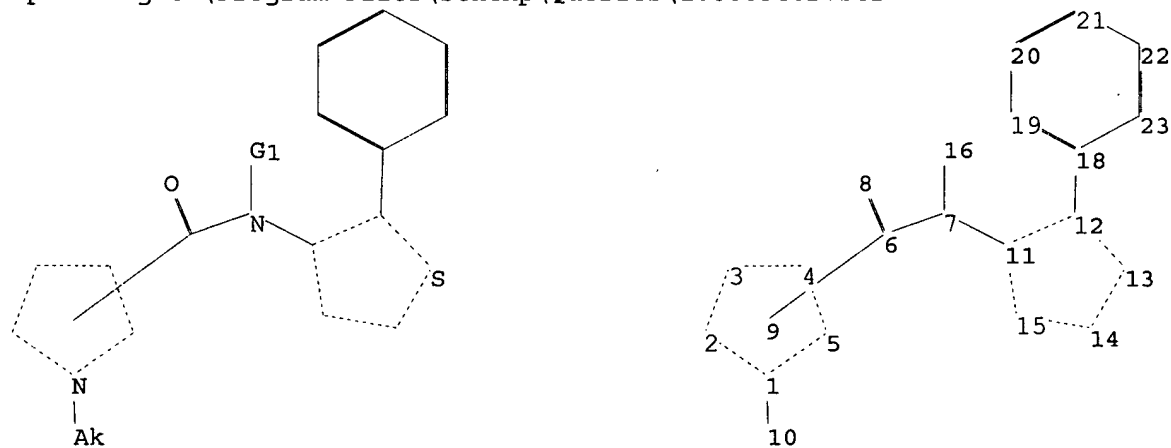
41.1% PROCESSED 720923 ITERATIONS 310 ANSWERS
51.4% PROCESSED 902313 ITERATIONS 316 ANSWERS
55.8% PROCESSED 978997 ITERATIONS 316 ANSWERS
57.0% PROCESSED 1000000 ITERATIONS 316 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.52

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1753988 TO 1753988
PROJECTED ANSWERS: 484 TO 624

L3 316 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10680346B.str



chain nodes :

6 7 8 10 16

ring nodes :

1 2 3 4 5 11 12 13 14 15 18 19 20 21 22 23

Ngrazier 10680346search

chain bonds :

1-10 6-7 6-8 7-11 7-16 12-18

ring bonds :

1-2 1-5 2-3 3-4 4-5 11-12 11-15 12-13 13-14 14-15 18-19 18-23 19-20 20-21
21-22 22-23

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-16 11-12 11-15 12-13 13-14 14-15

exact bonds :

12-18

normalized bonds :

18-19 18-23 19-20 20-21 21-22 22-23

G1:H,CH3

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

11:Atom 12:CLASS 13:Atom 14:Atom 15:Atom 16:CLASS 18:Atom 19:Atom 20:Atom

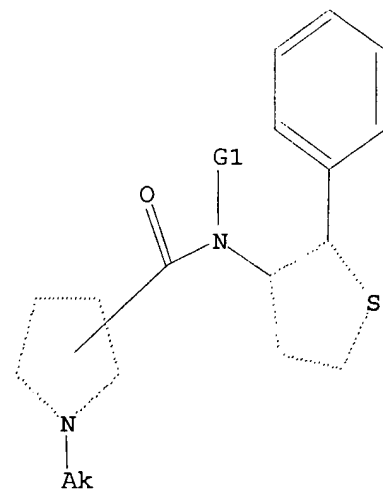
21:Atom 22:Atom 23:Atom

L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR



G1 H, Me

Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 12:03:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
 PROJECTED ITERATIONS: 68 TO 532
 PROJECTED ANSWERS: 0 TO 0

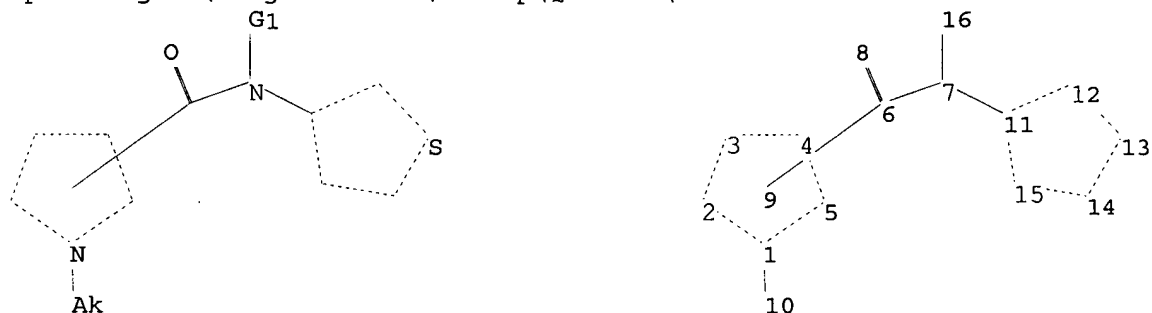
L5 0 SEA SSS SAM L4

=> s l4 full
 FULL SEARCH INITIATED 12:03:12 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 469 TO ITERATE

100.0% PROCESSED 469 ITERATIONS 6 ANSWERS
 SEARCH TIME: 00.00.01

L6 6 SEA SSS FUL L4

=>
 Uploading C:\Program Files\Stnexp\Queries\10680346C.str



chain nodes :
 6 7 8 10 16
 ring nodes :
 1 2 3 4 5 11 12 13 14 15
 chain bonds :
 1-10 6-7 6-8 7-11 7-16
 ring bonds :
 1-2 1-5 2-3 3-4 4-5 11-12 11-15 12-13 13-14 14-15
 exact/norm bonds :
 1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-16 11-12 11-15 12-13 13-14 14-15

G1:H,CH3

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:Atom 12:CLASS 13:Atom 14:Atom 15:Atom 16:CLASS

L7 STRUCTURE UPLOADED

=> s l7
 SAMPLE SEARCH INITIATED 12:04:53 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 940 TO ITERATE

100.0% PROCESSED 940 ITERATIONS 11 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

Ngrazier 10680346search

PROJECTED ITERATIONS: 16961 TO 20639
PROJECTED ANSWERS: 22 TO 418

L8 11 SEA SSS SAM L7

=> s l7 full

FULL SEARCH INITIATED 12:04:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 17912 TO ITERATE

100.0% PROCESSED 17912 ITERATIONS 243 ANSWERS
SEARCH TIME: 00.00.01

L9 243 SEA SSS FUL L7

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	487.43	487.64

FILE 'CAPLUS' ENTERED AT 12:05:19 ON 30 AUG 2005
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FILE COVERS 1907 - 30 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 29 Aug 2005 (20050829/ED)

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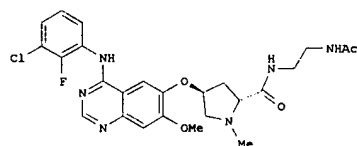
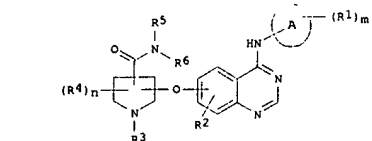
=> s l9

L10 22 L9

=> d ed abs ibib hitstr l10

L10 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 07 Apr 2005
 GI

L10 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Ltd.
 SOURCE: PCT Int. Appl., 198 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:



AB The invention relates to quinazoline derivs. I [R2 or the substituted pyrrolidinyloxy group is in the 6 or 7 position of the quinazoline ring; A is Ph or pyridyl; m is 0-3; n is 0-2; R1 is halo, cyano, nitro, hydroxy, carboxy, trifluoromethyl, alkyl, alkoxy, alkylsulfonyl, alkylureido, etc.; R2 is H, alkyl, cycloalkyl, cycloalkylalkyl or (un)substituted alkoxy; R3 is H, alkyl, cycloalkyl, alkylthio, alkylsulfinyl, carbamoylalkyl, etc.; R4 is alkyl, alkoxy, cyano, halo, hydroxy or oxo; R5 is H or alkyl; R6 is H, alkyl, alkoxy, heterocyclyl, heteroaryl, etc.; or R5R6N is a ring], including processes for their preparation, pharmaceutical compns. containing them,

and their use as antiproliferative agents in the prevention or treatment of tumors which are sensitive to inhibition of erbB receptor tyrosine kinases. Thus, compound II was prepared by etherification of Boc-protected cis-4-hydroxy-D-proline Me ester with 4-chloro-7-methoxyquinazolin-6-ol and reaction of the product with 3-chloro-2-fluoroaniline in 4.0 M HCl/dioxane and acetonitrile, followed by reductive N-methylation, saponification, and amidation. Compound II showed IC50 = 0.008 nM for inhibition of EGFR tyrosine kinase protein phosphorylation and IC50 = 0.144 nM in the EGFR driven KB cell proliferation assay.

ACCESSION NUMBER: 2005:300434 CAPLUS
 DOCUMENT NUMBER: 142:374111

TITLE: Preparation of proline quinazoline derivatives as antiproliferative agents
 INVENTOR(S): Bradbury, Robert Hugh; Malsall, Christopher Thomas; Hennequin, Laurent Francois Andre; Kettle, Jason Grant; Plowright, Alleen

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005030757	A1	20050407	WO 2004-GB4085	20040922
M: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			GB 2003-22409	A 20030925
			GB 2003-22534	A 20030926

OTHER SOURCE(S): MARPAT 142:374111

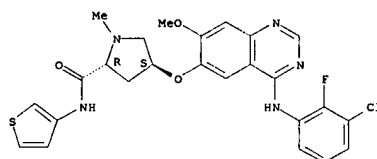
IT 849345-53-SP

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of proline quinazoline derivs. as antiproliferative agents)
 RN 849345-53-5 CAPLUS

CN 2-Pyrrolidinecarboxamide, 4-[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-methyl-N-3-thienyl-, (2R,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



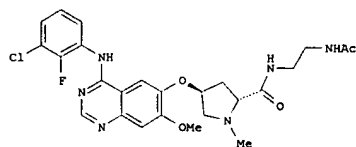
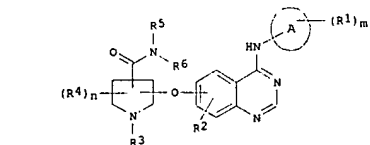
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Ngrazier 10680346search

=> d ed abs ibib hitstr 1-22

Ngrazier 10680346search

L10 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 07 Apr 2005
GI



AB The invention relates to quinazoline derivs. I [R2 or the substituted pyrrolidinyloxy group is in the 6 or 7 position of the quinazoline ring; A is Ph or pyridyl; m is 0-3; n is 0-2; R1 is halo, cyano, nitro, hydroxy, carboxy, trifluoromethyl, alkyl, alkoxy, alkylsulfonyl, alkylureido, etc.; R2 is H, alkyl, cycloalkyl, cycloalkylalkyl or (un)substituted alkoxy; R3 is H, alkyl, cycloalkyl, alkylthio, alkylsulfinyl, carbamoylalkyl, etc.; R4 is alkyl, alkoxy, cyano, halo, hydroxy or oxo; R5 is H or alkyl; R6 is H, alkyl, alkoxy, heterocyclyl, heteroaryl, etc.; or R5R6n is a ring], including processes for their preparation, pharmaceutical compns. containing

them, and their use as antiproliferative agents in the prevention or treatment of tumors which are sensitive to inhibition of erbB receptor tyrosine kinases. Thus, compound II was prepared by etherification of Boc-protected cis-4-hydroxy-D-proline Me ester with 4-chloro-7-methoxyquinazolin-6-ol and reaction of the product with 3-chloro-2-fluoroaniline in 4.0 M HCl/dioxane and acetonitrile, followed by reductive N-methylation, saponification, and amidation. Compound II showed IC50 = 0.008 nM for inhibition of EGFR tyrosine kinase protein phosphorylation and IC50 = 0.144 nM in the EGFR driven KB cell proliferation assay.

ACCESSION NUMBER: 2005:300434 CAPLUS
DOCUMENT NUMBER: 142:374111

TITLE: Preparation of proline quinazoline derivatives as antiproliferative agents
INVENTOR(S): Bradbury, Robert Hugh; Halsall, Christopher Thomas; Hennequin, Laurent Francois Andre; Kettle, Jason Grant; Plowright, Alleyon

L10 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 24 Sep 2004
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Sulfonamide lactams of formula 1 (wherein X = (un)substituted (CH2)m; m = 1-3; R1 = (un)substituted alk(en/yn)yl, cycloalkyl, heteroaryl, cycloheteroalkyl; R2, R3 = independently H, (un)substituted alk(en/yn)yl, cycloalkyl, heteroaryl, cycloheteroalkyl; R4, R5, R6 = independently H, OH, alkoxy, CO2H and derivs., CONH2 and derivs., S(O)qH and derivs., SO2NH2 and derivs., etc. (un)substituted alk(en/yn)yl, cycloalkyl, heteroaryl, cycloheteroalkyl; q = 0-2; R6, R6a = independently H, (un)substituted alk(en/yn)yl, cycloalkyl, substituted heteroaryl, cycloheteroalkyl; R7, R8 = independently (un)substituted (CH2)n-H or R7NR8 = (un)substituted cycloheteroalkyl; n = 1-4; with the proviso that certain compds. are absent: their pharmaceutically acceptable salts, stereoisomers and prodrugs) were prepared as inhibitors of Factor Xa and useful as anticoagulants in the treatment of cardiovascular diseases associated with thromboses (no data). For instance, reacting amine II with naphthalene-2-sulfonyl chloride in CH2Cl2 in the presence of TEA for 30 min at room temperature gave sulfonamide III in 66% yield.

ACCESSION NUMBER: 2004:780362 CAPLUS

DOCUMENT NUMBER: 141:295864
TITLE: Preparation of sulfonamide lactams as Factor Xa inhibitors
INVENTOR(S): O'Connor, Stephen P.; Lawrence, Michael; Shi, Yan; Stein, Philip D.

PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 257 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004186134	A1	20040923	US 2003-374299	20030226

PRIORITY APPLN. INFO.: MARPAT 141:295864

OTHER SOURCE(S):

IT 445277-00-99

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of sulfonamide lactams as factor Xa inhibitors and anticoagulants)

RN 445277-00-9 CAPLUS

CN 2-Pyrrolidinecarboxamide, 1-[[[(3S)-3-[[[(1E)-2-(5-chloro-2-thienyl)ethenyl]sulfonyl]amino]-2-oxo-1-piperidinyl]acetyl]-N-(tetrahydro-1,1-dioxido-3-thienyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

L10 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Ltd.
SOURCE: PCT Int. Appl., 198 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005030757	A1	20050407	WO 2004-GB4085	20040922

PRIORITY APPLN. INFO.: GB 2003-22409 A 20030925
GB 2003-22534 A 20030926

OTHER SOURCE(S): MARPAT 142:374111

IT 849345-53-5P

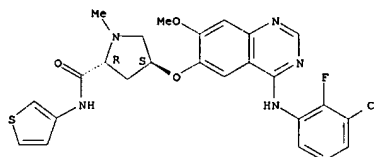
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of proline quinazoline derivs. as antiproliferative agents)

RN 849345-53-5 CAPLUS

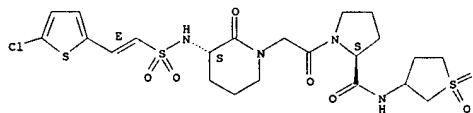
CN 2-Pyrrolidinecarboxamide, 4-[[[4-[(3-chloro-2-fluorophenyl)amino]-7-methoxy-6-quinazolinyl]oxy]-1-methyl-N-3-thienyl-, (2R,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



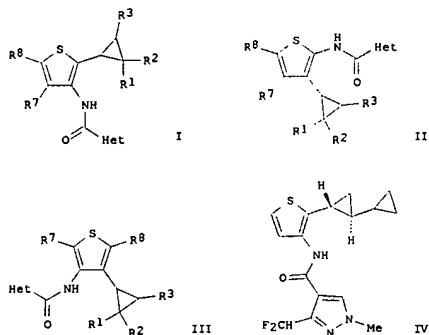
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



Ngrazier 10680346search

L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 13 May 2004
GI



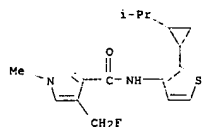
AB A fungicidally active compound I, II, or III [wherein Het = (un)substituted 5- or 6-membered heterocyclic ring containing one to three O, N, and/or S atoms, provided that the ring is not 1,2,3-triazole; R1 and R2 = independently H, halo, or Me; R3 = (un)substituted (cyclo)alkyl, alkenyl, alkynyl, Ph, heterocyclyl; R7 and R8 = independently H, halo, or (halo)alkyl] were prepared for use as active ingredients in agricultural or horticultural compns. for controlling or preventing infestation of plants by phytopathogenic microorganisms, preferably fungi. For example, 3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxylic acid was amidated with [2-(bicyclopropyl-2-yl)thiophen-3-yl]amine in the presence of TEA and N,N-bis(2-oxooxazolidinyl)phosphonic acid chloride in CH₂Cl₂ to give trans-IV (97% purity). The latter showed excellent activity against Puccinia recondita on wheat (0-5% infestation) and showed good activity against Podosphaera leucotricha on apple, Venturia inaequalis on apple, Erysiphe graminis on barley, Pyrenophora teres on barley, Alternaria solani on tomato, and Uncinula necator on grape (<20% infestation for each).

ACCESSION NUMBER: 2004:390242 CAPLUS
DOCUMENT NUMBER: 140:406731
TITLE: Preparation of N-(cyclopropylthienyl)carboxamides as fungicides
INVENTOR(S): Ehrenfreund, Josef; Tobler, Hans; Walter, Harald
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2

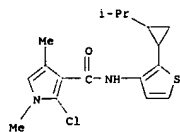
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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680325-06-2P 680325-07-3P 680325-08-4P
680325-09-5P 680325-10-6P 680325-11-7P
680325-12-8P 680325-13-9P 680325-14-0P
680325-15-1P 680325-16-2P 680325-17-3P
680325-18-4P 680325-19-5P 680325-20-6P
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680325-42-8P 680325-43-9P 680325-44-0P
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680325-51-7P 680325-52-8P 680325-53-9P
680325-54-0P 680325-55-1P 680325-56-2P
680325-57-3P 680325-58-4P 680325-59-5P
680325-60-6P 680325-61-7P 680325-62-8P
680325-63-9P 680325-64-0P 680325-65-1P
680325-66-2P 680325-67-3P 680325-68-4P
680325-69-5P 680325-70-6P 680325-71-7P
680325-72-8P 680325-73-9P 680325-74-0P
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680326-50-6P 680326-51-7P 680326-52-8P
680326-53-9P 680326-54-0P 680326-55-1P
680326-56-2P 680326-57-3P 680326-58-4P
680326-59-5P 680326-60-6P 680326-61-7P
680326-62-8P 680326-63-9P 680326-64-0P
680326-65-1P 680326-66-2P 680326-67-3P
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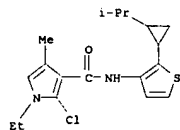
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-53-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[2-(1-methylethyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

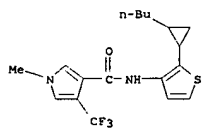


RN 688322-54-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1-ethyl-4-methyl-N-[2-(1-methylethyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

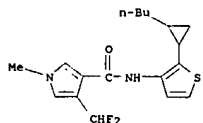


RN 688322-55-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[2-(1-methylethyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

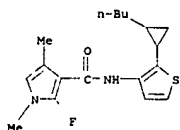
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



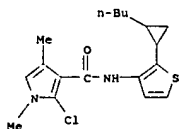
RN 688322-59-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-butylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 688322-60-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-butylcyclopropyl)-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

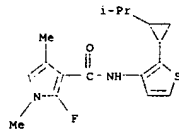


RN 688322-61-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-butylcyclopropyl)-3-thienyl]-2-chloro-1,4-dimethyl- (9CI) (CA INDEX NAME)

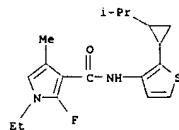


RN 688322-62-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-(2-methylpropyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

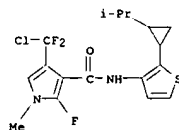
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-56-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-ethyl-2-fluoro-4-methyl-N-[2-(1-methylethyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

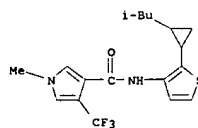


RN 688322-57-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-2-fluoro-1-methyl-N-[2-(1-methylethyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

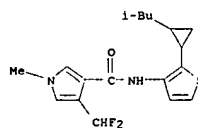


RN 688322-58-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-butylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

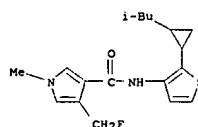
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



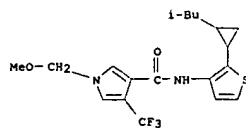
RN 688322-63-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[2-(2-methylpropyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)



RN 688322-64-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[2-(2-methylpropyl)cyclopropyl]-3-thienyl- (9CI) (CA INDEX NAME)

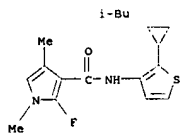


RN 688322-65-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-(methoxymethyl)-N-[2-(2-methylpropyl)cyclopropyl]-3-thienyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

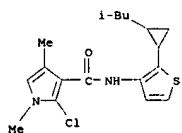


L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

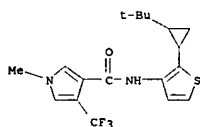
RN 688322-66-9 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[2-[2-(2-methylpropyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)



RN 688322-67-0 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[2-[2-(2-methylpropyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)

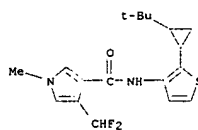


RN 688322-68-1 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

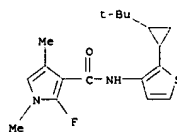


RN 688322-69-2 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[2-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

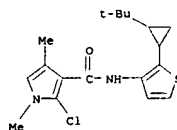
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-70-5 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

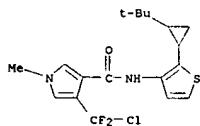


RN 688322-71-6 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[2-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

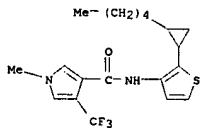


RN 688322-72-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[2-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

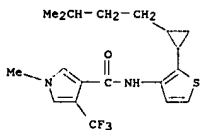
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



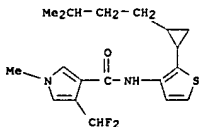
RN 688322-73-8 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-[2-(2-pentylcyclopropyl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688322-74-9 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-[2-(3-methylbutyl)cyclopropyl]-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

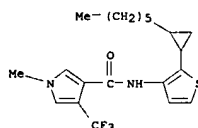


RN 688322-75-0 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[2-[2-(3-methylbutyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)

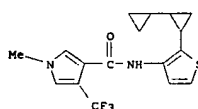


RN 688322-76-1 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(2-hexylcyclopropyl)-3-thienyl]-1-methyl-4-

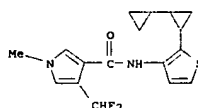
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



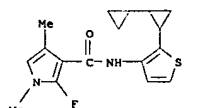
RN 688322-77-2 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[1,1'-bicyclopropyl]-2-yl-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688322-78-3 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[1,1'-bicyclopropyl]-2-yl-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



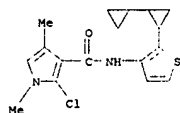
RN 688322-79-4 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[1,1'-bicyclopropyl]-2-yl-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)



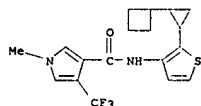
RN 688322-80-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[1,1'-bicyclopropyl]-2-yl-3-thienyl]-2-chloro-1,4-dimethyl- (9CI) (CA INDEX NAME)

Ngrazier 10680346search

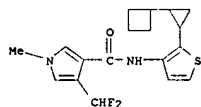
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-81-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclobutylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



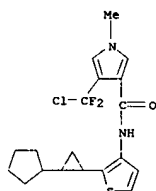
RN 688322-82-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclobutylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



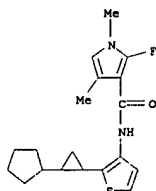
RN 688322-83-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclopentylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 688322-86-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[2-(2-cyclopentylcyclopropyl)-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

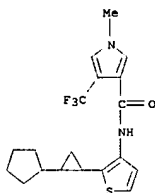


RN 688322-87-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclopentylcyclopropyl)-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

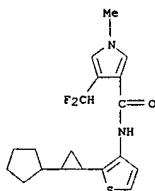


RN 688322-88-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[2-(2-cyclopentylcyclopropyl)-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

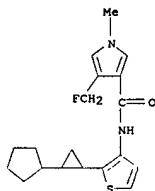
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



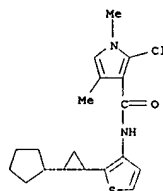
RN 688322-84-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclopentylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



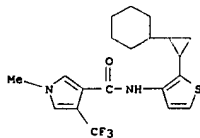
RN 688322-85-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclopentylcyclopropyl)-3-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



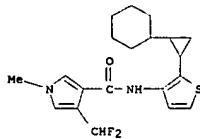
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-89-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclohexylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

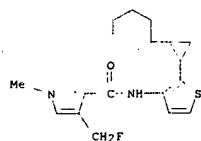


RN 688322-90-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclohexylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

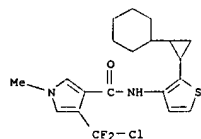


RN 688322-91-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclohexylcyclopropyl)-3-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

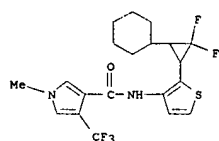
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-92-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[2-(2-cyclohexylcyclopropyl)-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

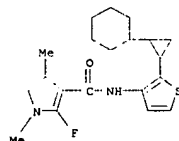


RN 688322-93-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(3-cyclohexyl-2,2-difluorocyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

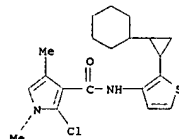


RN 688322-94-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclohexylcyclopropyl)-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

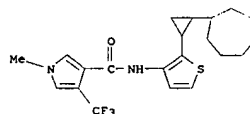
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688322-95-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[2-(2-cyclohexylcyclopropyl)-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

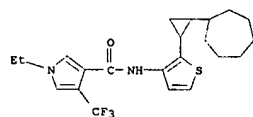


RN 688322-96-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

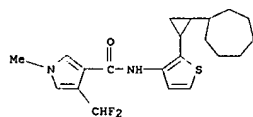


RN 688322-97-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-1-ethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

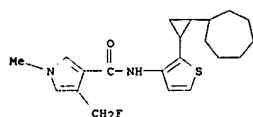
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



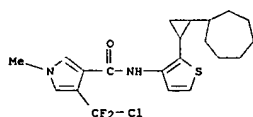
RN 688322-98-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 688322-99-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

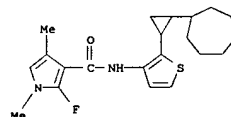


RN 688323-00-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

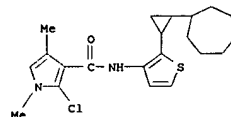


RN 688323-01-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

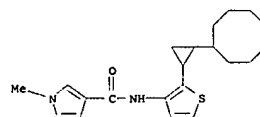
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



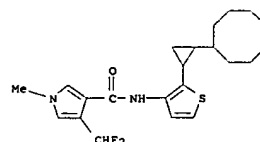
RN 688323-02-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[2-(2-cycloheptylcyclopropyl)-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)



RN 688323-03-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclooctylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



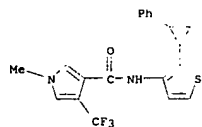
RN 688323-04-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(2-cyclooctylcyclopropyl)-3-thienyl]-1-methyl-4-(difluoromethyl)- (9CI) (CA INDEX NAME)



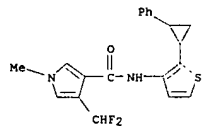
RN 688323-05-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-(2-phenylcyclopropyl)-3-thienyl]-4- (9CI) (CA INDEX NAME)

Ngrazier 10680346search

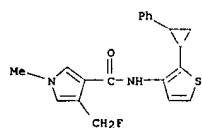
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688323-06-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[2-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)

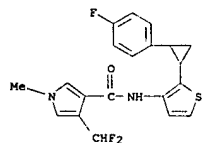


RN 688323-07-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[2-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)

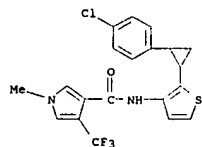


RN 688323-08-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[2-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)

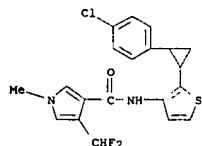
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688323-12-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(4-chlorophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

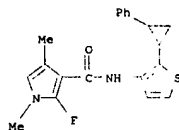


RN 688323-13-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(4-bromophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

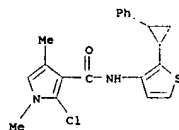


RN 688323-14-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(4-bromophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

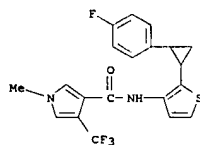
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688323-09-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[2-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)

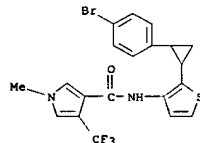


RN 688323-10-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(4-fluorophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

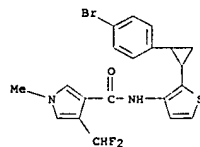


RN 688323-11-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[2-[2-(4-fluorophenyl)cyclopropyl]-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

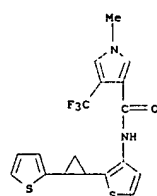
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688323-15-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[2-(4-bromophenyl)cyclopropyl]-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



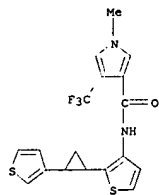
RN 688323-16-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-[2-(2-thienyl)cyclopropyl]-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



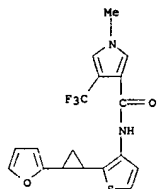
RN 688323-17-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-[2-(3-thienyl)cyclopropyl]-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Ngrazier 10680346search

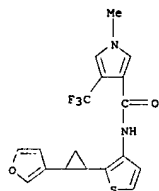
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



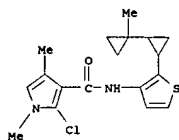
RN 688323-18-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[(2-furanyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



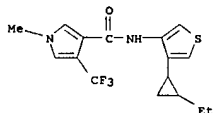
RN 688323-19-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[(2-furanyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



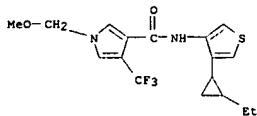
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



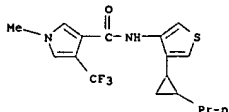
RN 688325-61-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[(2-ethylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688325-62-4 CAPLUS
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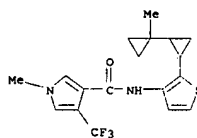
RN 688325-63-5 CAPLUS
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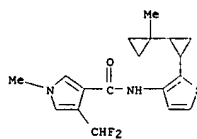
RN 688325-64-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[4-[(2-propylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)

L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

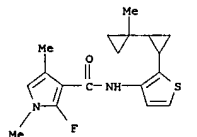
RN 688323-20-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-[(1'-methyl[1,1'-bicyclopropyl]-2-yl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688323-21-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[2-[(1'-methyl[1,1'-bicyclopropyl]-2-yl)-3-thienyl]- (9CI) (CA INDEX NAME)

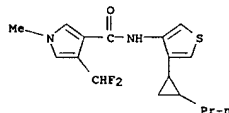


RN 688323-22-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[2-[(1'-methyl[1,1'-bicyclopropyl]-2-yl)-3-thienyl]- (9CI) (CA INDEX NAME)

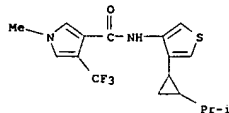


RN 688323-23-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[2-[(1'-methyl[1,1'-bicyclopropyl]-2-yl)-3-thienyl]- (9CI) (CA INDEX NAME)

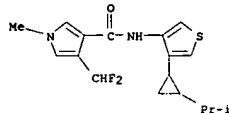
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



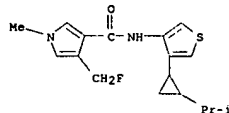
RN 688325-66-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4-[(2-(1-methylethyl)cyclopropyl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688325-67-9 CAPLUS
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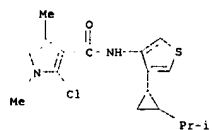


RN 688325-68-0 CAPLUS
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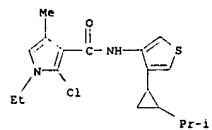


RN 688325-69-1 CAPLUS
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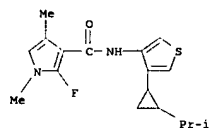
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688325-70-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1-ethyl-4-methyl-N-[4-[2-(1-methylethyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)

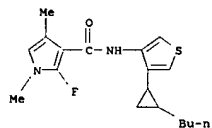


RN 688325-71-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[4-[2-(1-methylethyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)

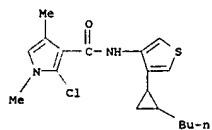


RN 688325-72-6 CAPLUS
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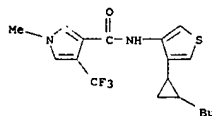
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
RN 688325-76-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(2-butylcyclopropyl)-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)



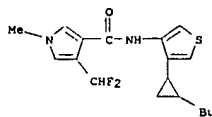
RN 688325-77-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(2-butylcyclopropyl)-3-thienyl]-2-chloro-1,4-dimethyl- (9CI) (CA INDEX NAME)



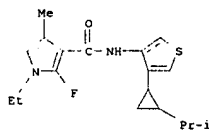
RN 688325-78-2 CAPLUS
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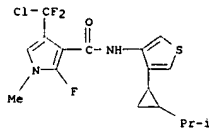
RN 688325-79-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[4-[2-(2-methylpropyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)



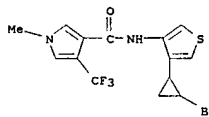
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



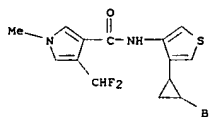
RN 688325-73-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-2-fluoro-1-methyl-N-[4-[2-(1-methylethyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)



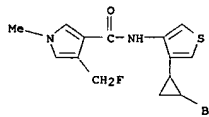
RN 688325-74-8 CAPLUS
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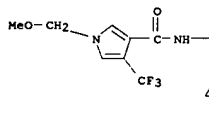
RN 688325-75-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(2-butylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



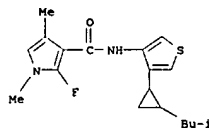
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
RN 688325-80-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[4-[2-(2-methylpropyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)



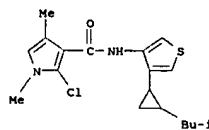
RN 688325-81-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-(methoxymethyl)-N-[4-[2-(2-methylpropyl)cyclopropyl]-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688325-82-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[4-[2-(2-methylpropyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)

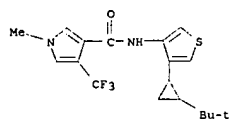


RN 688325-83-9 CAPLUS
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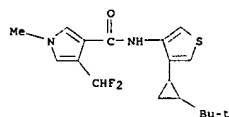


L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

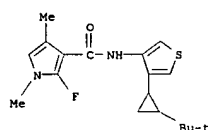
RN 688325-84-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-{2-(1,1-dimethylethyl)cyclopropyl}-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688325-85-1 CAPLUS
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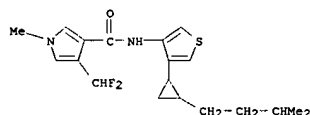


RN 688325-86-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-{2-(1,1-dimethylethyl)cyclopropyl}-3-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

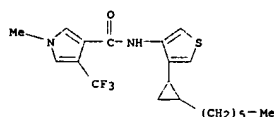


RN 688325-87-3 CAPLUS
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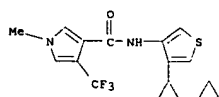
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[4-[2-(3-methylbutyl)cyclopropyl]-3-thienyl]- (9CI) (CA INDEX NAME)



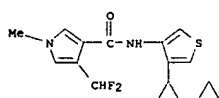
RN 688325-92-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(2-hexylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688325-93-1 CAPLUS
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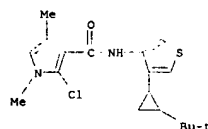


RN 688325-94-2 CAPLUS
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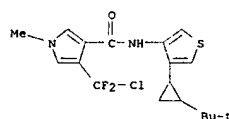


RN 688325-95-3 CAPLUS
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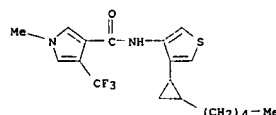
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



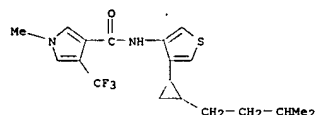
RN 688325-88-4 CAPLUS
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RN 688325-89-5 CAPLUS
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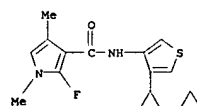


RN 688325-90-8 CAPLUS
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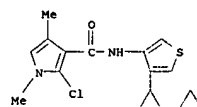


RN 688325-91-9 CAPLUS

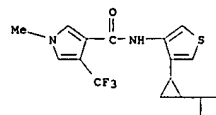
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



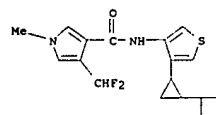
RN 688325-96-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(4-[1,1'-bicyclopropyl]-2-yl-3-thienyl)-2-chloro-1,4-dimethyl- (9CI) (CA INDEX NAME)



RN 688325-97-5 CAPLUS
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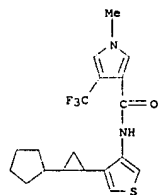


RN 688325-98-6 CAPLUS
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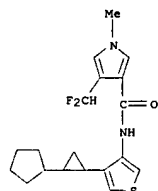


RN 688325-99-7 CAPLUS
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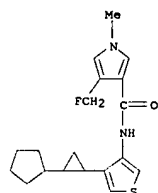
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



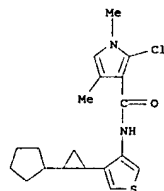
RN 688326-00-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cyclopentylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



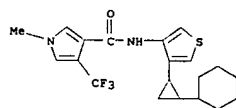
RN 688326-01-4 CAPLUS
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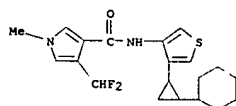
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



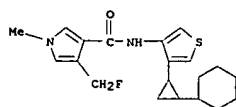
RN 688326-05-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cyclohexylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688326-06-9 CAPLUS
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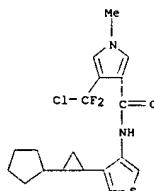


RN 688326-07-0 CAPLUS
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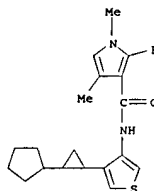


L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 688326-02-5 CAPLUS
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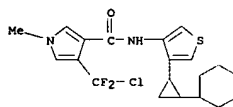
RN 688326-03-6 CAPLUS
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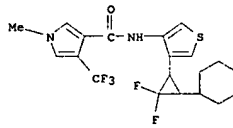
RN 688326-04-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[4-(2-cyclopentylcyclopropyl)-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

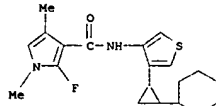
RN 688326-08-1 CAPLUS
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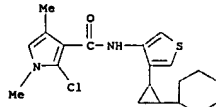
RN 688326-09-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-(3-cyclohexyl-2,2-difluorocyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688326-10-5 CAPLUS
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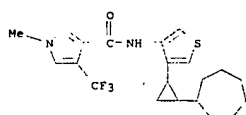


RN 688326-11-6 CAPLUS
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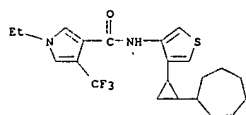


RN 688326-12-7 CAPLUS

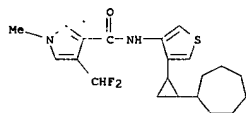
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cycloheptylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



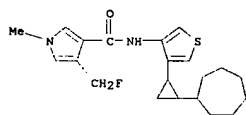
RN 688326-13-8 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cycloheptylcyclopropyl)-3-thienyl]-1-ethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



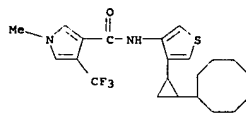
RN 688326-15-0 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cycloheptylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



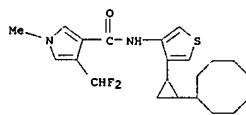
RN 688326-16-1 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cycloheptylcyclopropyl)-3-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



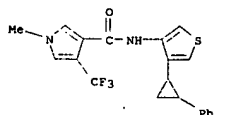
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



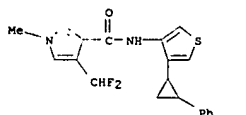
RN 688326-21-8 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cyclooctylcyclopropyl)-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 688326-22-9 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[4-(2-phenylcyclopropyl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



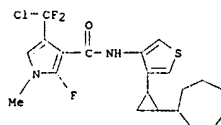
RN 688326-23-0 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[4-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)



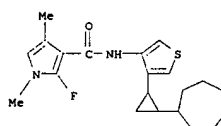
RN 688326-24-1 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[4-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)

L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

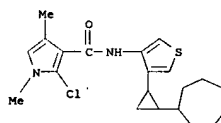
RN 688326-17-2 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[4-(2-cycloheptylcyclopropyl)-3-thienyl]-2-fluoro-1-methyl- (9CI) (CA INDEX NAME)



RN 688326-18-3 CAPLUS
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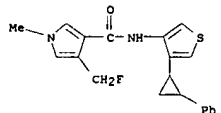


RN 688326-19-4 CAPLUS
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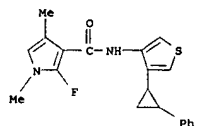


RN 688326-20-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-cyclooctylcyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

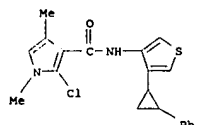
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



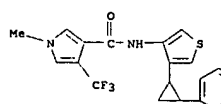
RN 688326-25-2 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[4-(2-phenylcyclopropyl)-3-thienyl]- (9CI) (CA INDEX NAME)



RN 688326-26-3 CAPLUS
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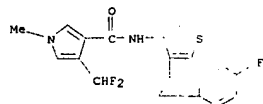
RN 688326-27-4 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-(2-(4-fluorophenyl)cyclopropyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



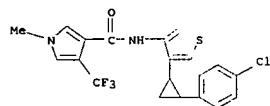
RN 688326-28-5 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[4-(2-(4-fluorophenyl)cyclopropyl)-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

Ngrazier 10680346search

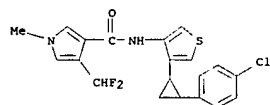
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



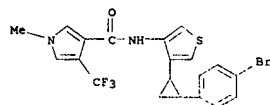
RN 688326-29-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(4-chlorophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688326-30-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(4-chlorophenyl)cyclopropyl]-3-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

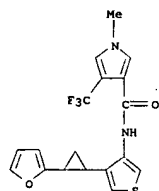


RN 688326-31-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(4-bromophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

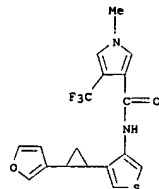


RN 688326-32-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(4-bromophenyl)cyclopropyl]-3-thienyl]-4-

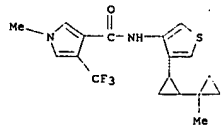
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688326-36-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(3-furanyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

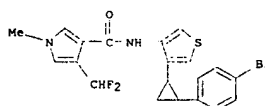


RN 688326-37-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(1'-methyl[1,1'-bicyclopropyl]-2-yl)-3-thienyl]-4-(trifluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

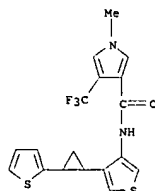


RN 688326-38-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

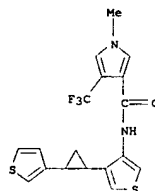
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 688326-33-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(2-thienyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

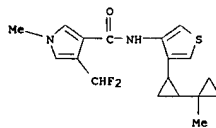


RN 688326-34-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(3-thienyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

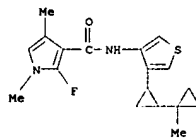


RN 688326-35-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(2-furanyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

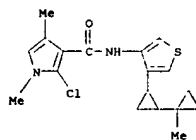
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688326-39-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(1'-methyl[1,1'-bicyclopropyl]-2-yl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688326-40-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

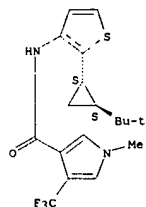


RN 688328-21-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[4-[2-(1,1-dimethylethyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

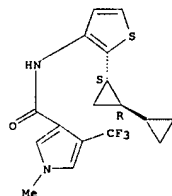
Ngrazier 10680346search

L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688328-22-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[(1R,2S)-[1,1'-bicyclopropyl]-2-yl]-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 688328-23-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-[(1R,2R)-2-(4-fluorophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L10 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 14 Apr 2004

AB DNA binding ligands with potent antimicrobial activity against Gram-pos. bacteria were further optimized by variation of the internal aromatic amino acids. This modification led to compds. with improved in vivo efficacy in lethal murine models of peritonitis (methicillin-resistant *S. aureus*, MRSA) and lung infection (*S. pneumoniae*).

ACCESSION NUMBER: 2004:303262 CAPLUS

DOCUMENT NUMBER: 141:64377

TITLE: DNA binding ligands with in vivo efficacy in murine models of bacterial infection: optimization of internal aromatic amino acids

AUTHOR(S): Burli, Roland W.; Kaizerman, Jacob A.; Duan, Jian-Xin; Jones, Peter; Johnson, Kirk W.; Iwamoto, Mari; Truong, Kiet; Hu, Wenhao; Stanton, Timothy; Chen, Alfred; Tsouami, Sofia; Gross, Matthew; Jiang, Vernon; Ge, Yigong; Moser, Heinz E.

CORPORATE SOURCE: Genesoft Pharmaceuticals, South San Francisco, CA, 94080, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2004), 14(9), 2067-2072

CODEN: BMCL88; ISSN: 0960-894X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

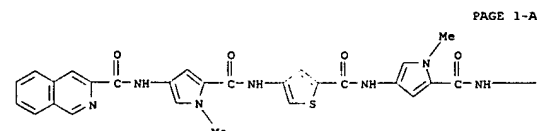
LANGUAGE: English

IT 710950-17-7

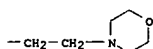
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(DNA binding ligands with in vivo efficacy in murine models of bacterial infection and structure-activity relationship)

RN 710950-17-7 CAPLUS

CN 3-Isaquinolinecarboxamide, N-[1-methyl-5-[[[5-[[[1-methyl-5-[[[2-(4-morpholinyl)ethyl]amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-3-thienyl]amino]carbonyl]-1H-pyrrol-3-yl]- (9CI) (CA INDEX NAME)

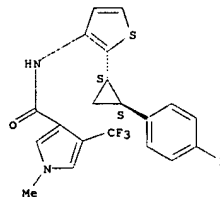


PAGE 1-A



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

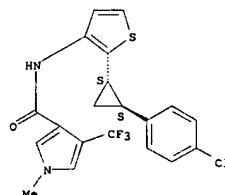
L10 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688328-24-7 CAPLUS

CN 1H-Pyrrole-3-carboxamide, N-[2-[(1R,2R)-2-(4-chlorophenyl)cyclopropyl]-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

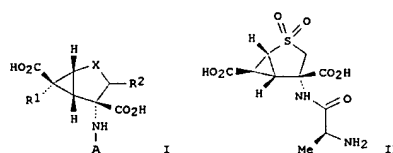


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 21 Dec 2003

GI



AB The invention relates to synthetic excitatory amino acid prodrugs for the treatment of neurol. disorders and psychiatric disorders. Bicyclic amino acids I [A is H-Q1-10, where Q is aminoacyl; X is O, S, SO, SO2, or substituted methylene; R1 is H or F; R2 is H, F, or OH] or their pharmaceutically-acceptable salts are claimed. Thus, prodrug II.HCl was prepared via peptide coupling reaction and shown to exhibit comparable concentration in rat plasma to that of the non-prodrug form.

ACCESSION NUMBER: 2003:991499 CAPLUS

DOCUMENT NUMBER: 140:42463

TITLE: Preparation of prodrugs of excitatory amino acids

INVENTOR(S): Moher, Eric David; Monn, James Allen;

Pedregal-Tercero, Concepcion

PATENT ASSIGNEE(S): Eli Lilly and Company, USA; Collado, Cano Ivan;

Blanco-Urgoiti, Jamie Gonzalo

SOURCE: PCT Int. Appl., 172 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

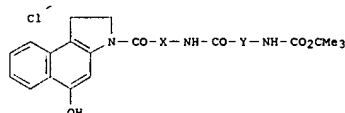
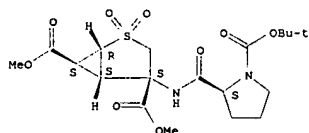
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003104217	A2	20031218	WO 2003-US15405	20030606
WO 2003104217	A3	20040226		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, T2, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2488167	AA	20031218	CA 2003-2488167	20030606
EP 1517915	A2	20050310	EP 2003-757266	20030606
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:				
			EP 2002-380120	A 20020611
			EP 2002-380121	A 20020611
			US 2002-415936P	P 20021003

Ngrazier 10680346search

L10 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 US 2002-415937P P 20021003
 WO 2003-US15405 W 20030606
 OTHER SOURCE(S): MARPAT 140:42463
 IT 635317-69-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of prodrugs of excitatory amino acids)
 RN 635317-69-0 CAPLUS
 CN 2-Thiabicyclo[3.1.0]hexane-4,6-dicarboxylic acid, 4-[[[(2S)-1-[[[1,1-dimethylethoxy]carbonyl]-2-pyrrolidinyl]carbonyl]amino]-, dimethyl ester, 2,2-dioxide, (1R,4S,5S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



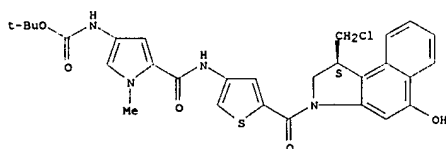
AB 132 CBI analogs I (X, Y = arylene, heteroarylene) of CC 1065 and the duocarmycins having dimeric monocyclic, bicyclic, and tricyclic heteroaroms. substituents were synthesized by a parallel route. The resultant analogs were evaluated with respect to their catalytic and cytotoxic activities. The relative contribution of the various dimeric monocyclic, bicyclic, and tricyclic heteroaroms. substituents within the DNA binding domain were characterized. Several of the resultant CBI analogs of CC 1065 and the duocarmycins were characterized as having enhanced catalytic and cytotoxic activities and were identified as having utility as anti-cancer agents. Thus, I (X = Y = -4-C6H4-) was prepared starting from 4-H2NCOCH2CO2H and the hydrochloride salt of seco-CBI.

ACCESSION NUMBER: 2003:221652 CAPLUS
 DOCUMENT NUMBER: 138:255007
 TITLE: Preparation of CBI analogues of CC 1065 and the duocarmycins for therapeutic use as anticancer agents
 INVENTOR(S): Boger, Dale L.
 PATENT ASSIGNEE(S): The Scripps Research Institute, USA
 SOURCE: PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

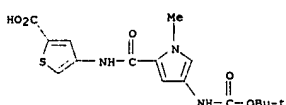
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003022806	A2	20030320	WO 2002-US28749	20020909
WO 2003022806	A3	20031113		
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2459308	AA	20030320	CA 2002-2459308	20020909
EP 1423110	A2	20040602	EP 2002-798201	20020909
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

L10 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 JP 200502703 T2 20050127 JP 2003-526882 20020909
 US 2005014700 A1 20050120 US 2004-489006 20040827
 PRIORITY APPLN. INFO.: US 2001-318179P P 20010907
 WO 2002-US28749 W 20020909
 OTHER SOURCE(S): MARPAT 138:255007
 IT 372953-56-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (synthesis and evaluation of tetrahydrocyclopropa[c]benz[e]indol-4-one analogs of CC-1065 and the duocarmycins defining the contribution of the DNA-binding domain)
 RN 372953-56-5 CAPLUS
 CN Carbamic acid, [5-[[[5-[[[1S]-1-(chloromethyl)-1,2-dihydro-5-hydroxy-3H-benz[e]indol-3-yl]carbonyl]-3-thienyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

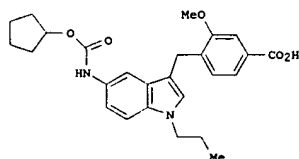
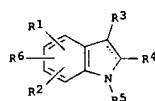
Absolute stereochemistry.



IT 502171-77-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (synthesis and evaluation of tetrahydrocyclopropa[c]benz[e]indol-4-one analogs of CC-1065 and the duocarmycins defining the contribution of the DNA-binding domain)
 RN 502171-77-9 CAPLUS
 CN 2-Thiophenecarboxylic acid, 4-[[[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)



L10 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 02 Jan 2003
 GI



AB Title compds. I (wherein R1 and R6 = independently H, halo, CF3, alkyl, alkylthio, alkoxy, CN, NO2, NH2, Ph, OPh, SPh, CH2Ph, OCH2Ph, SCH2Ph, or (un)substituted amido, carbamido, sulfonyl, etc.; R2 = H, halo, CF3, OH, alkyl, alkoxy, CHO, CN, NO2, (un)substituted amino, or alkylsulfonyl; R3 = CO2H, OPO3H2, SO3H, etc.; R4 = H, CF3, alkyl, alkoxy, (alkyl)cycloalkyl, CHO, halo, etc.; R5 = alkyl, alkoxy, (alkyl)cycloalkyl, etc.; and pharmaceutically acceptable salts thereof) were prepared as phospholipase enzyme inhibitors. For example, 5-nitroindole was C3-alkylated (55i) with Me 4-(bromomethyl)-3-methoxybenzoate in dioxane, N-alkylated (57i) with 1-iodopropane in a solution of THF and NaH, and converted to the amine (80i) by hydrogenation using Pt/C. The amine was converted to the carbamate (39i) by addition of cyclopentyl chloroformate in CH2Cl2 and 4-methylmorpholine, and the resultant ester was hydrolyzed to yield II (71i). The latter inhibited cytosolic phospholipase A2 (cPLA2) by 50i at a concentration of 170 μM in a coumarin assay and reduced footpad edema test on rats. Thus, I are useful for treatment of inflammatory conditions, such as arthritis, inflammatory bowel disease, and asthma (no data).

ACCESSION NUMBER: 2003:1275 CAPLUS
 DOCUMENT NUMBER: 138:55866
 TITLE: Preparation of indole derivatives as phospholipase enzyme inhibitors for treatment of inflammatory conditions
 INVENTOR(S): Sehra, Jasbir S.; McKew, John C.; Lovering, Frank; Bemis, Jean E.; Xiang, Yibin; Chen, Lihren; Knopf, John L.
 PATENT ASSIGNEE(S): Genetics Institute, LLC, USA
 SOURCE: U.S. 57 pp., Cont.-in-part of U. S. Ser. No. 256,062, abandoned.
 CODEN: USXXXM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1

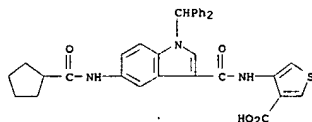
Ngrazier 10680346search

L10 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
PATENT INFORMATION:

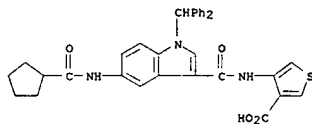
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6500853	B1	20021231	US 2000-686616	20001011
PRIORITY APPLN. INFO.:			US 1998-113674P	P 19980228
			US 1999-256062	B2 19990224

OTHER SOURCE(S): MARPAT 138:55866

IT 241497-74-5DP, 3-Thiophenecarboxylic acid, 4-[[[5-[(cyclopentylcarbonyl)amino]-1-(diphenylmethyl)-1H-indol-3-yl]carbonyl]amino]-, ester
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of indole derivs. as phospholipase enzyme inhibitors for treatment of inflammatory conditions)
RN 241497-74-5 CAPLUS
CN 3-Thiophenecarboxylic acid, 4-[[[5-[(cyclopentylcarbonyl)amino]-1-(diphenylmethyl)-1H-indol-3-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)



IT 241497-74-5P, 3-Thiophenecarboxylic acid, 4-[[[5-[(cyclopentylcarbonyl)amino]-1-(diphenylmethyl)-1H-indol-3-yl]carbonyl]amino]-
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(phospholipase inhibitor; preparation of indole derivs. as phospholipase enzyme inhibitors for treatment of inflammatory conditions)
RN 241497-74-5 CAPLUS
CN 3-Thiophenecarboxylic acid, 4-[[[5-[(cyclopentylcarbonyl)amino]-1-(diphenylmethyl)-1H-indol-3-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 83 THERE ARE 83 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
ED Entered STN: 20 Dec 2002
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = H, F, Cl, CN, CF3, OH, N(R2)2, OR2, etc.; R2-3 = H, alkyl, heteroalkyl; n = 1-25; Y = alkylene, (hetero)aromatic; Z = O, N; m = 1 if Z = O, m = 2 if Z = N] were prepared For instance, II (preparation given) was coupled to 4-chloro-2-fluorobenzoic acid, the product saponified and the resulting carboxylic acid coupled to N-(2-aminoethyl)morpholine to give III. III had MIC ≤ 4 μ g/mL against *B. cereus*, *E. faecalis*, *E. faecium*, *S. aureus*, *S. epidermidis* and *S. pneumoniae*. A number of compds. of the invention were screened for their ability to bind to three DNA sites (binding data tabulated).

ACCESSION NUMBER: 2002:964476 CAPLUS
DOCUMENT NUMBER: 138:39101
TITLE: Preparation of antipathogenic poly-pyrrole-benzamide compounds
INVENTOR(S): Buril, Roland W.; Kaizerman, Jacob A.; Jones, Peter
PATENT ASSIGNEE(S): Genesoft, Inc., USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

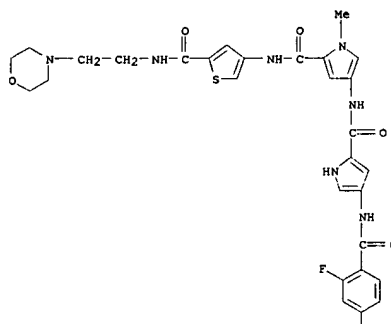
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002101007	A2	20021219	WO 2002-US17951	20020606
WO 2002101007	A3	20030327		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003236198	A1	20031225	US 2002-165764	20020606
PRIORITY APPLN. INFO.:			US 2001-298206P	P 20010613
			US 2001-342309P	P 20011221

OTHER SOURCE(S): MARPAT 138:39101

IT 478803-58-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of poly-pyrrole-benzamide and related analogs as antibiotics and DNA binders)
RN 478803-58-6 CAPLUS
CN 1H-Pyrrole-2-carboxamide, 4-[[[4-[(4-chloro-2-fluorobenzoyl)amino]-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-N-[5-[[[4-(morpholinyl)ethyl]amino]carbonyl]-3-thienyl]- (9CI) (CA INDEX NAME)

L10 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

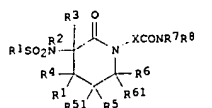
PAGE 1-A



PAGE 2-A

Cl

L10 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 ED Entered STN: 09 Aug 2002
 GI

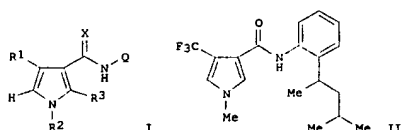


AB Title compds. [I: X = (substituted) (CH₂)_m; m = 1-3; R1 = (substituted) alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R2, R3 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, etc.; R4, R41, R5, R51 = H, OH, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, etc.; R6, R61 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, etc.; R7, R8 = (substituted) (CH₂)_n; n = 1-4; R7R8N = (substituted) cycloheteroalkyl, were prepared as cardiovascular agents (no data). 974 I, including (II), were prepared

ACCESSION NUMBER: 2002:594840 CAPLUS
 DOCUMENT NUMBER: 137:154858
 TITLE: Preparation of arylsulfonamidopiperidones as inhibitors of Factor Xa.
 INVENTOR(S): Stein, Philip P.; O'Connor, Stephen P.; Lawrence, R. Michael; Shi, Yan
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
 SOURCE: PCT Int. Appl., 246 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002060894	A2	20020808	WO 2002-US2542	20020128
WO 2002060894	A3	20021219		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2436774	AA	20020808	CA 2002-2436774	20020128
EP 1358178	A2	20031105	EP 2002-717381	20020128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004518688	T2	20040624	JP 2002-561043	20020128
US 6555542	B1	20030429	US 2002-59621	20020129
PRIORITY APPLN. INFO.: US 2001-264964P P 20010130				

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 ED Entered STN: 18 May 2002
 GI



AB The title compds. [I: X = O, S; R1 = CF₃, CF₂H, CFH₂; R2 = alkyl, haloalkyl, alkoxyalkyl, haloalkoxyalkyl; R3 = H, Me, CF₃; F; Q = substituted Ph, 2-thienyl, 3-thienyl] which have plant-protecting properties and are suitable for protecting plants against infestation by phytopathogenic microorganisms, were prepared. Thus, treating 1-methyl-4-(trifluoromethyl)pyrrole-3-carboxylic acid with oxalyl chloride in the presence of a catalytic amount of DMF in CH₂Cl₂ followed by addition of the resulting acid chloride to a solution of 2-(1,3-dimethylbutyl)phenylamine and Et₃N in CH₂Cl₂ afforded II. Compds. I showed good activity (< 20% infestation) against Puccinia recondita (brown rust) on wheat.

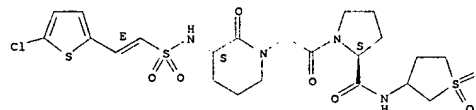
ACCESSION NUMBER: 2002:368451 CAPLUS
 DOCUMENT NUMBER: 136:369602
 TITLE: Preparation of pyrrolecarboxamides and pyrrolecarbothioamides as agrochemical fungicides
 INVENTOR(S): Walter, Harald
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038542	A1	20020516	WO 2001-EPI2830	20011106
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2426033	AA	20020516	CA 2001-2426033	20011106
AU 2002023668	A5	20020521	AU 2002-23668	20011106
EP 1341757	A1	20030910	EP 2001-993599	20011106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001015200	A	20040217	BR 2001-15200	20011106
EG 23122	A	20040428	EG 2001-1173	20011106
JP 2004513163	T2	20040430	JP 2002-541078	20011106
US 2005119130	A1	20050602	US 2003-416219	20011106

L10 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 WO 2002-US2542 W 20020128

OTHER SOURCE(S): MARPAT 137:154858
 IT 445277-00-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (Preparation of arylsulfonamidopiperidones as inhibitors of Factor Xa)
 RN 445277-00-9 CAPLUS
 CN 2-Pyrrolidinecarboxamide, 1-[[[(3S)-3-[[[(1E)-2-(5-chloro-2-thienyl)ethenyl]sulfonyl]amino]-2-oxo-1-piperidinyl]acetyl]-N-(tetrahydro-1,1-dioxido-3-thienyl)-, (2S)- (9CI) (CA INDEX NAME)

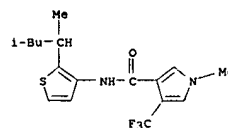
Absolute stereochemistry.
 Double bond geometry as shown.



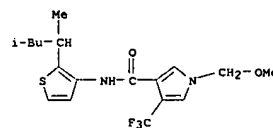
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 ZA 2003003012 A 20040520
 PRIORITY APPLN. INFO.: GB 2000-27284 A 20001108
 GB 2000-30268 A 20001212
 WO 2001-EPI2830 W 20011106

OTHER SOURCE(S): MARPAT 136:369602
 IT 424832-40-6P 424832-41-7P 424832-42-8P
 424832-43-9P 424832-44-0P 424832-45-1P
 424832-46-2P 424832-47-3P 424832-48-4P
 424832-49-5P 424832-50-8P 424832-51-9P
 424832-52-0P 424832-53-1P 424832-54-2P
 424832-55-3P 424832-56-4P 424832-57-5P
 424832-58-6P 424832-59-7P 424832-60-0P
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 424832-64-4P 424832-65-5P 424832-66-6P
 424832-67-7P 424832-68-8P 424832-69-9P
 424832-70-2P 424832-71-3P 424832-72-4P
 424832-73-5P 424832-74-6P 424832-75-7P
 424832-76-8P 424832-77-9P 424832-78-0P
 424832-79-1P 424832-80-4P 424832-81-5P
 424832-82-6P 424832-83-7P 424832-84-8P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (Preparation of pyrrolecarboxamides and pyrrolecarbothioamides as agrochem. fungicides)

RN 424832-40-6 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

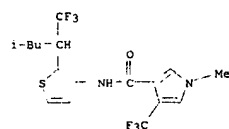


RN 424832-41-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

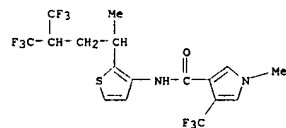


RN 424832-42-8 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-(3-methyl-1-(trifluoromethyl)butyl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

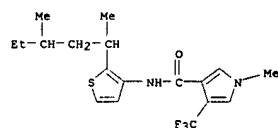
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-43-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-4-(trifluoromethyl)-N-[2-[4,4,4-trifluoro-1-methyl-3-(trifluoromethyl)butyl]-3-thienyl]- (9CI) (CA INDEX NAME)

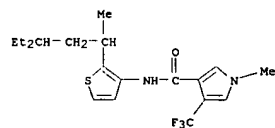


RN 424832-44-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylpentyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

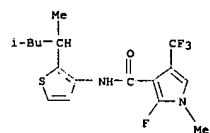


RN 424832-45-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylpentyl)-3-thienyl]-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

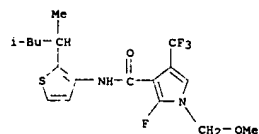
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



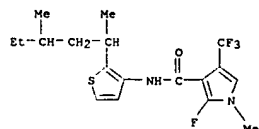
RN 424832-49-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-3-thienyl]-2-fluoro-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 424832-50-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-3-thienyl]-2-fluoro-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

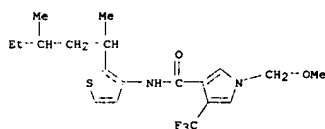


RN 424832-51-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylpentyl)-3-thienyl]-2-fluoro-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

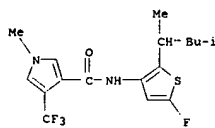


RN 424832-52-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1-methyl-N-[2-(3-methyl-1-

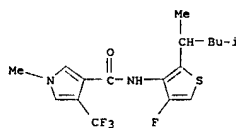
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-46-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-5-fluoro-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

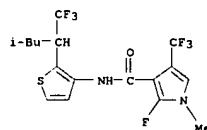


RN 424832-47-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-4-fluoro-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

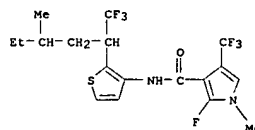


RN 424832-48-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(3-ethyl-1-methylpentyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

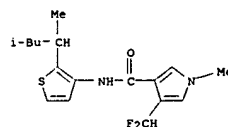
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
(trifluoromethyl)butyl]-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 424832-53-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1-methyl-N-[2-(3-methyl-1-(trifluoromethyl)pentyl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

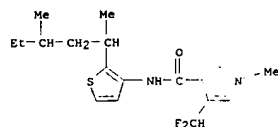


RN 424832-54-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

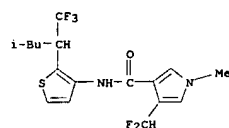


RN 424832-55-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[2-(1,3-dimethylpentyl)-3-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

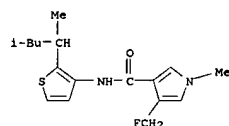
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-56-4 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[2-([3-methyl-1-(trifluoromethyl)butyl]-3-thienyl)]- (9CI) (CA INDEX NAME)

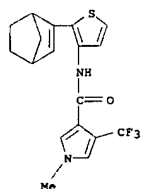


RN 424832-57-5 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylbutyl)-3-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



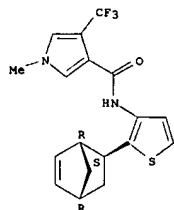
RN 424832-58-6 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1,3-dimethylpentyl)-3-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



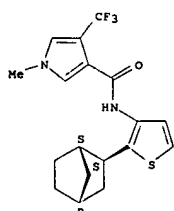
RN 424832-62-2 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2S,4R)-bicyclo[2.2.1]hept-5-en-2-yl-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

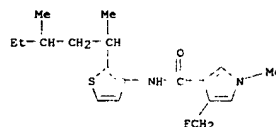


RN 424832-63-3 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

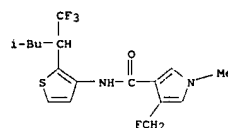
Relative stereochemistry.



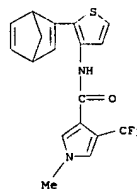
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-59-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[2-([3-methyl-1-(trifluoromethyl)butyl]-3-thienyl)]- (9CI) (CA INDEX NAME)



RN 424832-60-0 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(bicyclo[2.2.1]hepta-2,5-dien-2-yl-3-thienyl)-1-methyl-4-(trifluoromethyl)]- (9CI) (CA INDEX NAME)

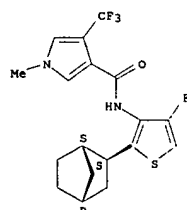


RN 424832-61-1 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(bicyclo[2.2.1]hept-2-en-2-yl-3-thienyl)-1-methyl-4-(trifluoromethyl)]- (9CI) (CA INDEX NAME)

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

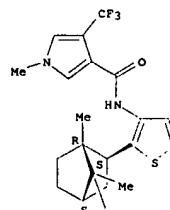
RN 424832-64-4 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-4-fluoro-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 424832-65-5 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 1-methyl-4-(trifluoromethyl)-N-[2-[(1R,2S,4S)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl]-3-thienyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

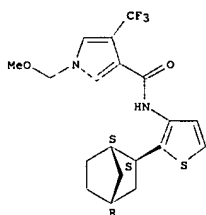


RN 424832-66-6 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-3-thienyl]-1-(methoxymethyl)-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

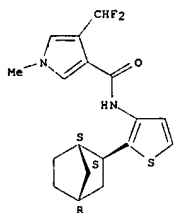
Ngrazier 10680346search

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-67-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-3-thienyl]-4-(difluoromethyl)-1-methyl-, rel- (9CI) (CA INDEX NAME)

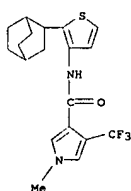
Relative stereochemistry.



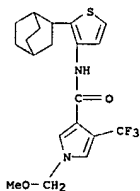
RN 424832-68-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]octa-2,5-dien-2-yl-3-thienyl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

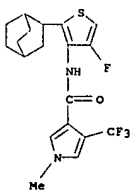
RN 424832-71-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-3-thienyl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



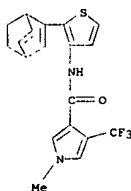
RN 424832-72-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-3-thienyl)-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



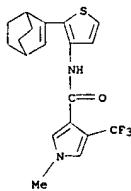
RN 424832-73-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-4-fluoro-3-thienyl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

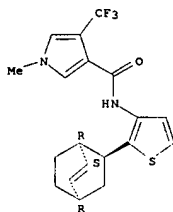


RN 424832-69-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-en-2-yl-3-thienyl)-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



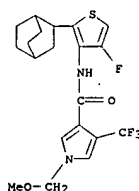
RN 424832-70-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2S,4R)-bicyclo[2.2.2]oct-5-en-2-yl-3-thienyl]-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

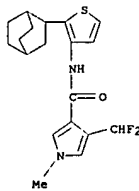


L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 424832-74-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-4-fluoro-3-thienyl)-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 424832-75-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-3-thienyl)-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

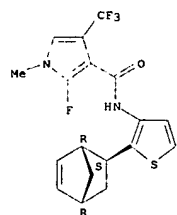


RN 424832-76-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2S,4R)-bicyclo[2.2.1]hept-5-en-2-yl-3-thienyl]-2-fluoro-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

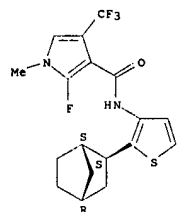
Ngrazier 10680346search

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-77-9 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-3-thienyl]-2-fluoro-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

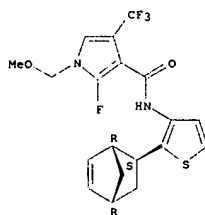
Relative stereochemistry.



RN 424832-78-0 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2S,4R)-bicyclo[2.2.1]hept-5-en-2-yl-3-thienyl]-2-fluoro-1-(methoxymethyl)-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

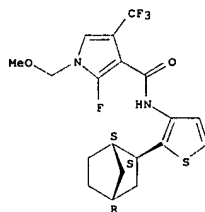
Relative stereochemistry.

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-79-1 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-3-thienyl]-2-fluoro-1-(methoxymethyl)-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

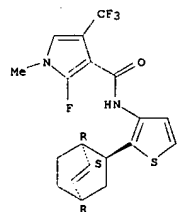
Relative stereochemistry.



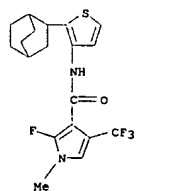
RN 424832-80-4 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2S,4R)-bicyclo[2.2.2]oct-5-en-2-yl-3-thienyl]-2-fluoro-1-methyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

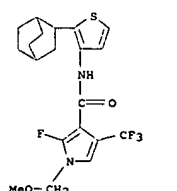
L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 424832-81-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-3-thienyl)-2-fluoro-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



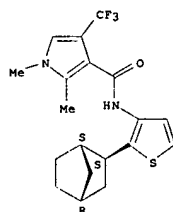
RN 424832-82-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-3-thienyl)-2-fluoro-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



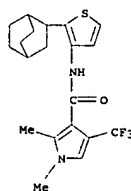
RN 424832-83-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1R,2R,4S)-bicyclo[2.2.1]hept-2-yl-3-thienyl]-1,2-dimethyl-4-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

L10 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

Relative stereochemistry.



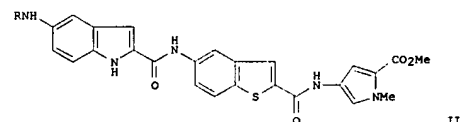
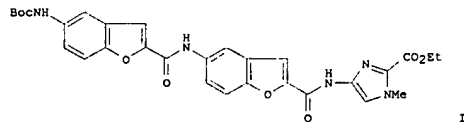
RN 424832-84-8 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-(2-bicyclo[2.2.2]oct-2-yl-3-thienyl)-1,2-dimethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Ngrazier 10680346search

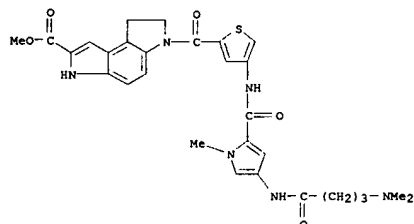
L10 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 21 Dec 2001
GI



AB The development of a solution-phase synthesis of distamycin A and its extension to the preparation of 2640 analogs are described. Thus, solution-phase synthesis techniques with reaction workup and purification employing acid/base liquid-liquid extns. were used in the multistep preparation of distamycin A (8 steps, 40 overall yield) and a prototypical library of 2640 analogs providing intermediates and final products that are ≥ 95 pure on conventional reaction scales. Screening the prototypical library provided compds. that are 1000 times more potent than distamycin A in cytotoxic assays (I, Boc = tert-butoxycarbonyl, IC50 = 29 nM, L1210), that bind to poly(dA)-poly(dT) with comparable affinity, and that exhibit an altered DNA binding sequence selectivity. Several candidates were identified which bound the five base-pair AT-rich site of the PSA-ARE-3 sequence, and one (II, R = 4-dimethylaminobutyl; K = 3.2×10^6 M⁻¹) maintained the high affinity binding (K = 4.5×10^6 M⁻¹) to the ARE-consensus sequence containing a GC base-pair interrupted five base-pair AT-rich site suitable for inhibition of gene transcription initiated by hormone insensitive androgen receptor dimerization and DNA binding characteristic of therapeutic resistant prostate cancer.

ACCESSION NUMBER: 2001:923774 CAPLUS
DOCUMENT NUMBER: 136:54024
TITLE: Preparation of distamycin A analogs and screening for DNA binding and cytotoxic activities

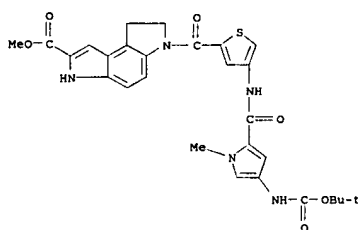
L10 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
INVENTOR(S): Boger, Dale L.
PATENT ASSIGNEE(S): Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 93 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001096313	A1	20011220	WO 2001-US19404	20010614
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2000-211760P	P 20000614
OTHER SOURCE(S):	MARPAT 136:54024			
IT	292069-27-3P 292069-37-5P			
RL:	CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)			
PREP:	(Preparation of distamycin A analogs and screening for DNA binding and cytotoxic activities)			
RN	292069-27-3 CAPLUS			
CN	Benzo[1,2-b:4,3-b']dipyrrole-2-carboxylic acid, 6-[[4-[[[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-2-thienyl]carbonyl]-3,6,7,8-tetrahydro-, methyl ester (9CI) (CA INDEX NAME)			



RN 292069-37-5 CAPLUS
CN Benzo[1,2-b:4,3-b']dipyrrole-2-carboxylic acid, 6-[[4-[[[4-[[[4-(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-2-thienyl]carbonyl]-3,6,7,8-tetrahydro-, methyl ester (9CI) (CA INDEX NAME)

L10 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 12 Oct 2001
AB Charged compds. are provided that have one or more regions of localized pos. charge, as are compns. comprising such compds., methods of synthesizing such compds., methods of screening such compds. to identify those having anti-infective activity, and methods of using such compds. to prevent or inhibit infections. These compds., and compns. containing them, have multiple applications, including use in human and animal medicine and in agriculture.

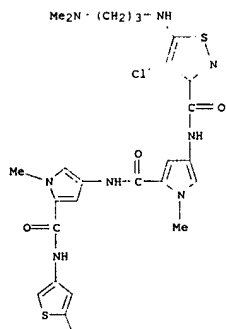
ACCESSION NUMBER: 2001:747848 CAPLUS
DOCUMENT NUMBER: 135:298753
TITLE: Charged compounds having a nucleic acid-binding moiety, their preparation, and their use as anti-infective agents

INVENTOR(S): Ge, Yigong; Taylor, Matthew J.; Baird, Eldon E.; Moser, Heinz E.; Burli, Roland W.
PATENT ASSIGNEE(S): Genesoft, Inc., USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

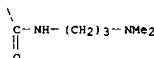
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001074898	A2	20011011	WO 2001-US8252	20010314
WO 2001074898	A3	20030116		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2403537	AA	20011011	CA 2001-2403537	20010314
US 2002065227	A1	20020530	US 2001-808729	20010314
US 6555693	B2	20030429		
JP 2003529609	T2	20031007	JP 2001-572587	20010314
EP 1245921	A1	20021218	EP 2001-954573	20010316
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2003211508	A1	20031113	US 2002-278870	20021022
PRIORITY APPLN. INFO.:			US 2000-189930P	P 20000316
			US 2001-808729	A3 20010314
			WO 2001-US8252	W 20010314
OTHER SOURCE(S):	MARPAT 135:298753			
IT	365211-00-3			
RL:	BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(charged compds. with nucleic acid-binding moiety, preparation, and use as anti-infective agents)			
RN	365211-00-3 CAPLUS			
CN	3-Isobenzoxazolecarboxamide, 4-chloro-5-[[[3-(dimethylamino)propyl]amino]-N-[[[5-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-3-thienyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]] (9CI) (CA INDEX NAME)			

L10 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A

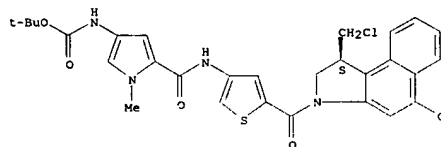


L10 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

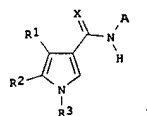
ED Entered STN: 13 Sep 2001
 AB The solution-phase, parallel synthesis and evaluation of a library of 132 (+)-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one (CBI) analogs of CC-1065 and the duocarmycins containing dimeric monocyclic, bicyclic, and tricyclic heteroarom. replacements for the DNA-binding domain are described. This systematic study revealed clear trends in the structural requirements for observation of potent cytotoxic activity and DNA alkylation efficiency, the range of which spans a magnitude of 210 000-fold. Combined with related studies, these results highlight that the role of the DNA-binding domain goes beyond simply providing DNA-binding selectivity and affinity (10-100-fold enhancement in properties), consistent with the proposal that it contributes significantly to catalysis of the DNA alkylation reaction accounting for as much as an addnl. 1000-fold enhancement in properties.
 ACCESSION NUMBER: 2001:667407 CAPLUS
 DOCUMENT NUMBER: 135:357786
 TITLE: Parallel Synthesis and Evaluation of 132 (+)-1,2,9,9a-Tetrahydrocyclopropa[c]benz[e]indol-4-one (CBI) Analogues of CC-1065 and the Duocarmycins Defining the Contribution of the DNA-Binding Domain
 AUTHOR(S): Boger, Dale L.; Schmitt, Harald W.; Fink, Brian E.; Hedrick, Michael P.
 CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
 SOURCE: Journal of Organic Chemistry (2001), 66(20), 6654-6661
 PUBLISHER: CODEN: JOCEAH; ISSN: 0022-3263
 DOCUMENT TYPE: American Chemical Society
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 135:357786
 IT 372953-56-5P
 RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (synthesis and evaluation of tetrahydrocyclopropa[c]benz[e]indol-4-one analogs of CC-1065 and the duocarmycins defining the contribution of the DNA-binding domain)
 RN 372953-56-5 CAPLUS
 CN Carbamic acid, [5-[[[5-[[[1S]-1-(chloromethyl)-1,2-dihydro-5-hydroxy-3H-benz[e]indol-3-yl]carbonyl]-3-thienyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L10 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 27 Jul 2001
 GI



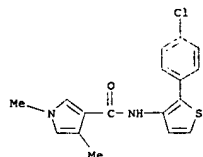
AB The title compds. [I: X = O, S; R1 = alkyl, cycloalkyl, halo; R2 = H, alkyl, alkoxy, etc.; R3 = alkyl; A = (un)substituted ortho-substituted (hetero)aryl, bicyclo(hetero)aryl] which have plant-protective properties and are suitable for protecting plants against infestations by phytopathogenic microorganisms, were prepared. Thus, methylation of Me 4-methylpyrrole-3-carboxylate followed by hydrolysis of the resulting ester, and reaction of 1,4-dimethylpyrrole-3-carboxylic acid with 2-(4'-fluorophenyl)aniline afforded I [X = O; R1, R3 = Me; R2 = H; A = 4'-fluorobiphenyl-2-yl] which showed strong efficacy against Puccinia recondita on wheat (< 20% infestation).
 ACCESSION NUMBER: 2001:545661 CAPLUS
 DOCUMENT NUMBER: 135:137397
 TITLE: Preparation of pyrrolecarboxamides and pyrrolethioamides as fungicides
 INVENTOR(S): Walter, Harald; Schneider, Hermann
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 111 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001053259	A1	20010726	WO 2001-EP592	20010119
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TS, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, T2, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2397008	AA	20010726	CA 2001-2397008	20010119
BR 2001007738	A	20021022	BR 2001-7738	20010119
EP 1252140	A1	20021030	EP 2001-907468	20010119
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003520269	T2	20030702	JP 2001-553263	20010119
AU 772635	B2	20040506	AU 2001-35433	20010119
ZA 2002005641	A	20031103	ZA 2002-5641	20020715
US 2004049035	A1	20040311	US 2002-181702	20021008
US 6806286	B2	20041019		

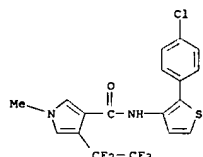
Ngrazier 10680346search

L10 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 US 2004106521 A1 20040603 US 2003-680346 20031007
 PRIORITY APPLN. INFO.: GB 2000-1447 A 20000121
 WO 2001-EP592 W 20010119
 US 2002-181702 A3 20021008

OTHER SOURCE(S): MARPAT 135:137397
 IT 351416-74-5P 351416-75-6P 351416-76-7P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyrrolecarboxamides and pyrrolethioamides as fungicides)
 RN 351416-74-5 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(4-chlorophenyl)-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

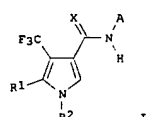


RN 351416-75-6 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(4-chlorophenyl)-3-thienyl]-1-methyl-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



RN 351416-76-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(4-fluorophenyl)-3-thienyl]-1-methyl-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

L10 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 13 Jul 2001
 GI

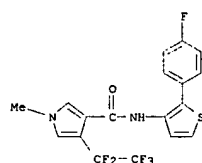


AB The title compds. [I: X = O, S; R1 = H, alkyl, halo; R2 = alkyl; A = ortho-substituted aryl, ortho-substituted heteroaryl, bicycloaryl, bicycloheteroaryl] which have plant-protective properties and are suitable for protecting plants against infestations by phytopathogenic microorganisms, were prepared E.g., a multi-step synthesis of I (R1 = H; R2 = Me; X = O; A = 4-(4-chlorophenyl)pyridin-3-yl] which showed strong efficacy against Erysiphe graminis on barley, was given.

ACCESSION NUMBER: 2001:507677 CAPLUS
 DOCUMENT NUMBER: 135:92539
 TITLE: Preparation of trifluoromethylpyrrole carboxamides and trifluoromethylpyrrolethioamides as fungicides
 INVENTOR(S): Walter, Harald; Trah, Stephan; Schneider, Hermann
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

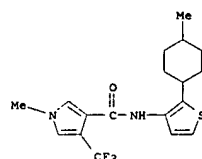
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001049664	A1	20010712	WO 2000-EP11196	20001111
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, GM, GW, ML, MR, NE, SN, TD, TG			
CA 2395267	AA	20010712	CA 2000-2395267	20001111
BR 2000016871	A	20021008	BR 2000-16871	20001111
EP 1252139	A1	20021030	EP 2000-985016	20001111
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003519212	T2	20030617	JP 2001-550204	20001111
EG 22399	A	20030430	EG 2000-1388	20001224
ZA 2002004874	A	20030918	ZA 2002-4874	20020618
US 6699818	B1	20040302	US 2002-169281	20021008
US 2004171490	A1	20040902	US 2004-785836	20040224
PRIORITY APPLN. INFO.:			GB 1999-30750	A 19991229
			WO 2000-EP11196	W 20001111
			US 2002-169281	A3 20021008

L10 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

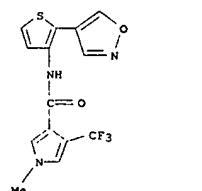


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 OTHER SOURCE(S): MARPAT 135:92539
 IT 349486-95-9P 349486-96-0P 349486-97-1P
 349486-98-2P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of trifluoromethylpyrrole carboxamides and trifluoromethylpyrrolethioamides as fungicides)
 RN 349486-95-9 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[2-(4-methylcyclohexyl)-3-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



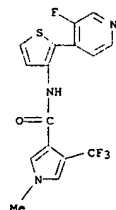
RN 349486-96-0 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(4-isoxazolyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



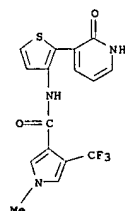
RN 349486-97-1 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(3-fluoro-4-pyridinyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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L10 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

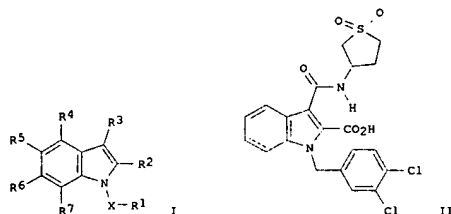


RN 349486-98-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,2-dihydro-2-oxo-3-pyridinyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 11 Aug 2000
GI



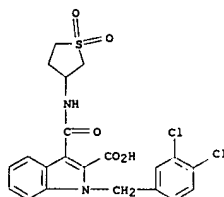
AB The title compds. [I; X = CH2, SO2; R1 = (un)substituted aryl, heteroaryl; R2 = CO2H, CN, COCH2OH, etc.; R3 = OR15 (wherein R15 = substituted alkyl or cycloalkyl, (un)substituted heteroaryl), S(O)qR15 (q = 0-2), (CH2)sCO2H (s = 0-4), etc.; R4-R7 = H, (un)substituted hydrocarbyl, heterocyclyl, etc.] and their pharmaceutically acceptable salts, amides or esters, useful in the preparation of a medicament for the inhibition of monocyte chemoattractant protein-1 and/or RANTES induced chemotaxis, were prepared and formulated. Thus, hydrolysis of the corresponding ester afforded 93% II which showed IC50 of 6.86 µM against hMCP-1 receptor binding.

ACCESSION NUMBER: 2000:553556 CAPLUS
DOCUMENT NUMBER: 133:150463
TITLE: Preparation of 3-substituted indole-2-carboxylic acids for the inhibition of monocyte chemoattractant protein-1 and/or RANTES induced chemotaxis
INVENTOR(S): Fauli, Alan Wellington; Kettle, Jason
PATENT ASSIGNEE(S): AstraZeneca UK Limited, UK
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000046199	A2	20000810	WO 2000-GB284	20000131
WO 2000046199	A3	20001130		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LA, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				

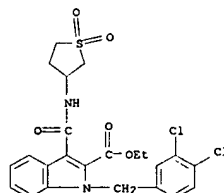
L10 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
CA 2355734 AA 20000810 CA 2000-2355734 20000131
BR 200008015 A 20011106 BR 2000-8015 20000131
EP 1173421 A2 20020123 EP 2000-901747 20000131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2002536362 T2 20021029 JP 2000-597270 20000131
ZA 2001005017 A 20020919 ZA 2001-5017 20010619
NO 2001003768 A 20011001 NO 2001-3768 20010801
US 6833387 B1 20041221 US 2001-889516 20011002
GB 1999-2455 A 19990205
WO 2000-GB284 W 20000131

PRIORITY APPLN. INFO.:
OTHER SOURCE(S): MARPAT 133:150463
IT 287725-88-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3-substituted indole-2-carboxylic acids for the inhibition of monocyte chemoattractant protein-1 and/or RANTES induced chemotaxis)
RN 287725-88-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-[(3,4-dichlorophenyl)methyl]-3-[[[(tetrahydro-1,1-dioxido-3-thienyl)amino]carbonyl]- (9CI) (CA INDEX NAME)

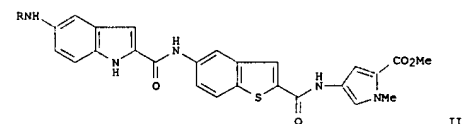
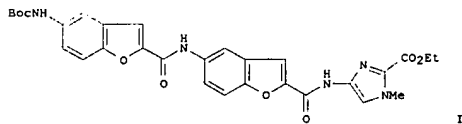


IT 287726-47-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 3-substituted indole-2-carboxylic acids for the inhibition of monocyte chemoattractant protein-1 and/or RANTES induced chemotaxis)
RN 287726-47-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-[(3,4-dichlorophenyl)methyl]-3-[[[(tetrahydro-1,1-dioxido-3-thienyl)amino]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

L10 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

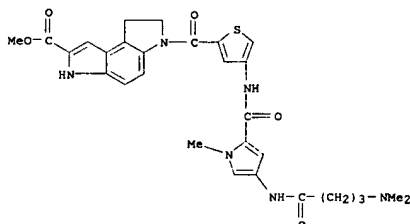


L10 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
ED Entered STN: 20 Jun 2000
GI

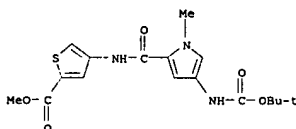


AB The development of a solution-phase synthesis of distamycin A and its extension to the preparation of 2640 analogs are described. Thus, solution-phase synthesis techniques with reaction workup and purification employing acid/base liquid-liquid extrns. were used in the multistep preparation of distamycin A (8 steps, 40% overall yield) and a prototypical library of 2640 analogs providing intermediates and final products that are ≥95% pure on conventional reaction scales. The complementary development of a simple, rapid, and high-throughput screen for DNA binding affinity based on the loss of fluorescence derived from displacement of prebound ethidium bromide is disclosed which is applicable for assessing relative or absolute binding affinity to DNA homopolymers or specific sequences (hairpin oligonucleotides). Using hairpin oligonucleotides, this method permits the screening of a library of compds. against a single predefined sequence to identify high affinity binders, or the screening of a single compound against a full library of individual hairpin oligonucleotides to define its sequence selectivity. The combination permits the establishment of the complete DNA binding profile of each member of a library of compds. Screening the prototypical library provided compds. that are 1000 times more potent than distamycin A in cytotoxic assays (I, Boc = tert-butoxycarbonyl; IC50 = 29 nM, L1210), that bind to poly[dA]-poly[dT] with comparable affinity, and that exhibit an altered DNA binding sequence selectivity. Several candidates were identified which bound the

L10 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-2-thienyl]carbonyl]-3,6,7,8-tetrahydro-, methyl ester (9CI) (CA INDEX NAME)



IT 292070-05-4P 292071-72-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(total synthesis of distamycin A and solution-phase combinatorial approach to distamycin A analogs as DNA binding agents)
RN 292070-05-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 4-[[[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

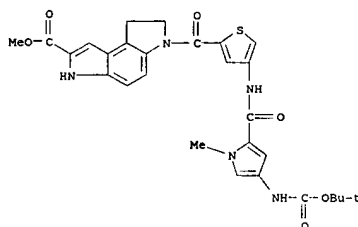


RN 292071-72-8 CAPLUS
CN 2-Thiophenecarboxylic acid, 4-[[[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-2-thienyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

L10 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
five-base-pair AT-rich site of the PSA-ARE-3 sequence, and one (II, R = 4-dimethylaminobutyl; K = 3.2 × 10⁶ M⁻¹) maintained the high affinity binding (K = 4.5 × 10⁶ M⁻¹) to the ARE-consensus sequence contg. a GC base-pair interrupted five-base-pair AT-rich site suitable for inhibition of gene transcription initiated by hormone insensitive androgen receptor dimerization and DNA binding characteristic of therapeutic resistant prostate cancer.

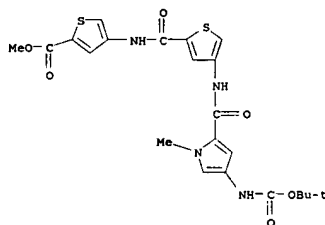
ACCESSION NUMBER: 2000:405663 CAPLUS
DOCUMENT NUMBER: 133:223039
TITLE: Total Synthesis of Distamycin A and 2640 Analogs: A Solution-Phase Combinatorial Approach to the Discovery of New, Bioactive DNA Binding Agents and Development of a Rapid, High-Throughput Screen for Determining Relative DNA Binding Affinity or DNA Binding Sequence Selectivity
AUTHOR(S): Boger, Dale L.; Fink, Brian E.; Hedrick, Michael P.
CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Journal of the American Chemical Society (2000), 122(27), 6382-6394
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:223039
IT 292069-27-3P 292069-37-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(total synthesis of distamycin A and solution-phase combinatorial approach to distamycin A analogs as DNA binding agents)

RN 292069-27-3 CAPLUS
CN Benzo[1,2-b:4,3-b']dipyrrole-2-carboxylic acid, 6-[[4-[[[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-2-thienyl]carbonyl]-3,6,7,8-tetrahydro-, methyl ester (9CI) (CA INDEX NAME)



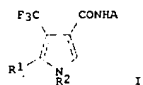
RN 292069-37-5 CAPLUS
CN Benzo[1,2-b:4,3-b']dipyrrole-2-carboxylic acid, 6-[[4-[[[4-[[[4-

L10 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



REFERENCE COUNT: 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 25 Feb 2000
GI

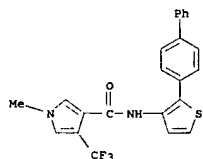


AB Title compds. I (R1 = H, halo, alkyl, haloalkyl; R2 = alkyl, haloalkyl, alkoxyalkyl, cyano, alkylsulfonyl, arylsulfonyl, etc.; A = substituted Ph, substituted 3-thienyl, substituted 4-indanyl) were prepared as plant protectants. Thus, 1.9 g 1-methyl-4-(trifluoromethyl)pyrrole-3-carboxylic acid, obtained from Et 4,4,4-trifluorocrotonate, tosylmethyl isocyanide, and MeI, and 0.9 mL oxalyl chloride in 20 mL CH₂Cl₂ was stirred at room temperature in the presence of a catalytic amount of DMF, the solvent was evaporated under reduced pressure to give a crystalline solid, and the solid was added to a solution of 1.7 g of 2-biphenylamine and 4.2 mL Et₃N in 20 mL CH₂Cl₂ at 0°, and the reaction mixture was stirred for 2 h at room temperature to give I (R1 = H, R2 = Me, A = 2-biphenyl). Application of this compound on apples, grapes, and tomatoes resulted in <10% infestation by Botrytis cinerea.

ACCESSION NUMBER: 2000:133660 CAPLUS
DOCUMENT NUMBER: 132:166122
TITLE: (Trifluoromethyl)pyrrolecarboxamides
INVENTOR(S): Eberle, Martin; Walter, Harald
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen
Verwaltungsgesellschaft m.b.H.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000009482	A1	20000224	WO 1999-EP5837	19990810
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
TW 576831	B	20040221	TW 1999-8810745	19990513
AU 9955138	A1	20000306	AU 1999-55138	19990810
AU 756140	B2	20030102		
BR 9912962	A	20010508	BR 1999-12962	19990810
EP 1105375	A1	20010613	EP 1999-941573	19990810
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

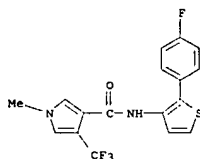
L10 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



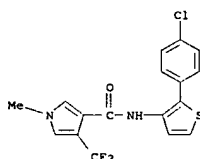
REFERENCE COUNT: 4
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
IE, SI, LT, LV, FI, RO
TR 200100478 T2 20010621 TR 2001-200100478 19990810
JP 200222526 T2 20020723 JP 2000-564936 19990810
US 2002019541 A1 20020214 US 2001-780897 20010209
US 6365620 B2 20020402
PRIORITY APPLN. INFO.: GB 1998-17548 A 19980812
WO 1999-EP5837 W 19990810

OTHER SOURCE(S): MARPAT 132:166122
IT 258510-88-2P 258510-89-3P 258510-91-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(trifluoromethyl)pyrrolecarboxamides as plant protectants
RN 258510-88-2 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(4-fluorophenyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

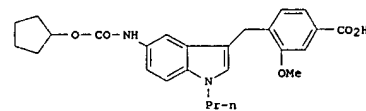
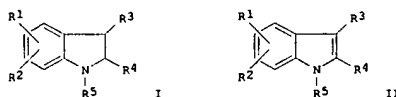


RN 258510-89-3 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(4-chlorophenyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 258510-91-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(1,1'-biphenyl)-4-yl-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L10 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 08 Sep 1999
GI



AB Indole derivs. (I) and (II) [where R1 = H, halogen, CF3, C1-10 alkyl, S-C1-10 alkoxy, CN, NO2, NH2, Ph, OPh, SPh, CH2Ph, OCH2Ph, SCH2Ph, or (un)substituted amido, carbamido, sulfonyl, etc.; R2 = H, halogen, CF3, OH, C1-10 alkyl, C1-10 alkoxy, CHO, CN, NO2, (un)substituted amino, SO2-C1-6 alkyl; R3 = (un)substituted carboxylic acid, OPO3H2, SO3H, etc.; R4 = H, CF3, C1-6 alkyl, C1-6 alkoxy, (C1-6 alkyl)cycloalkyl, CHO, halogen, etc.; R5 = C1-6 alkyl, C1-6 alkoxy, (C1-6 alkyl)cycloalkyl, etc.] and pharmaceutically acceptable salts thereof, were prepared by several methods. Thus, 5-nitroindole was C3-alkylated with Me 4-(bromomethyl)-3-methoxybenzoate in dioxane, N-alkylated with 1-iodopropane in a solution of THF and NaH, and converted to the amine by hydrogenation over Pt/C. The amine was converted to the carbamate by addition of cyclopentyl chloroformate in CH₂Cl₂ and 4-methylmorpholine and the resultant ester hydrolyzed to yield 4-[(5-[(cyclopentyl)oxy]carbonyl)amino]-1-propyl-1H-indol-3-yl)methyl]-3-methoxybenzoic acid (III). The title compds. are useful as phospholipase enzyme inhibitors, especially cytosolic phospholipase A2 (cPLA2), for treatment of inflammatory conditions, particularly where inhibition of production of prostaglandins, leukotrienes, and PAF are all desired. Over one hundred compds. of the invention were tested for cPLA2 inhibiting activity in the Coumarine assay and rat carrageenan-induced footpad edema test. Compds. exhibited 7% to 98% inhibition at concns. of 0.125 μM to 400 μM in the Coumarine assay and -7.16% to 34.52% inhibition at concns. of 2 μM to 20 μM in the footpad edema test.

ACCESSION NUMBER: 1999:566026 CAPLUS
DOCUMENT NUMBER: 131:199619
TITLE: Preparation of indole derivatives as phospholipase enzyme inhibitors
INVENTOR(S): Seehra, Jasbir S.; Mckew, John C.; Lovering, Frank; Bemis, Jean E.; Xiang, Yibin; Chen, Lihren; Knopf, John L.
PATENT ASSIGNEE(S): Genetics Institute, Inc., USA
SOURCE: PCT Int. Appl., 182 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

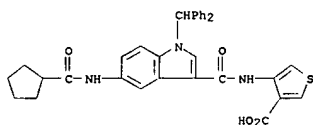
Ngrazier 10680346search

L10 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9943654	A2	19990902	WO 1999-US3898	19990224
WO 9943654	A3	19991028		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2322162	AA	19990902	CA 1999-2322162	19990224
AU 9927825	A1	19990915	AU 1999-27825	19990224
AU 765427	B2	20030918		
BR 9908275	A	20001024	BR 1999-8275	19990224
TR 200002447	T2	20001121	TR 2000-200002447	19990224
EP 1062205	A2	20001227	EP 1999-908378	19990224
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, SE, PT, IE, FI				
JP 2002504541	T2	20020212	JP 2000-533412	19990224
EE 200000488	A	20020215	EE 2000-488	19990224
NZ 506329	A	20040130	NZ 1999-506329	19990224
NO 2000004219	A	20001023	NO 2000-4219	20000823
HR 2000000551	A1	20010430	HR 2000-551	20000824
BG 104779	A	20011031	BG 2000-104779	20000919
US 1998-30592 A 19980225				
WO 1999-US3898 W 19990224				

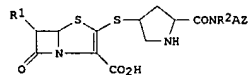
PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 131:199619
 IT 241497-74-5DP, ester
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of indole derivs. as phospholipase enzyme inhibitors for treatment of inflammatory conditions)
 RN 241497-74-5 CAPLUS
 CN 3-Thiophenecarboxylic acid, 4-[[[5-[(cyclopentylcarbonyl)amino]-1-(diphenylmethyl)-1H-indol-3-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)



IT 241497-74-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of indole derivs. as phospholipase enzyme inhibitors for treatment of inflammatory conditions)

L10 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 03 Sep 1994
 GI



AB Title compds. I (R1 = MeCHMe, MeCHF, HOCH2; R2 = H, C1-4 alkyl; Z = HO2C, HO3S, tetrazol-5-yl, C1-4alkyl-SO2NHCO; A = (substituted)Ph or thienyl) a pharmaceutically acceptable salt or in vivo hydrolyzable ester thereof, are prepared 2-Thiophenecarboxylic acid was nitrated to give the 4-nitro derivative, reduced to the 4-amino derivative converted to the (2S,4S)-1-(4-nitrobenzylcarbonyl)-2-(2-carboxy-4-thienylcarbamoyl)pyrrolidin-4-ylthioacetate which in 4 steps was converted to (5R,6S,8R,2'S,4'S)-I (R1 = MeCHOH, R2 = H, A = 4-thienyl, Z = 2-HO2C) which had a min. inhibitory concentration of 0.5 mg/mL against Enterobacter cloacae 108 vs 32 mg/L of ceftriaxone. Pharmaceutical formulations comprising I are given.

ACCESSION NUMBER: 1994:508368 CAPLUS
 DOCUMENT NUMBER: 121:108368
 TITLE: Preparation of antibiotic pyrrolidinylthienopyrimidine derivatives
 INVENTOR(S): Siret, Patrice Jean
 PATENT ASSIGNEE(S): Zeneca Ltd., UK; Zeneca Pharma S.A.
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXDXW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

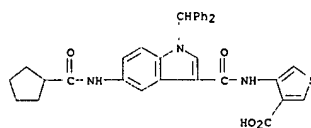
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 592167	A1	19940413	EP 1993-307843	19931001
EP 592167	B1	19991222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2106330	AA	19940408	CA 1993-2106330	19930916
AT 187968	E	20000115	AT 1993-307843	19931001
ES 2140445	T3	20000301	ES 1993-307843	19931001
JP 06211871	A2	19940802	JP 1993-250437	19931006
US 5538962	A	19960723	US 1993-132256	19931006
EP 1992-402733 A 19921007				

PRIORITY APPLN. INFO.:

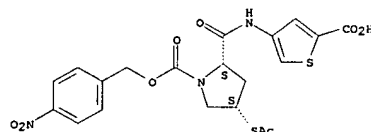
OTHER SOURCE(S): MARPAT 121:108368
 IT 155481-27-9P 155481-28-0P 156631-41-3P 156631-42-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of antibiotics)
 RN 155481-27-9 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetilthio)-2-[[[5-carboxy-3-thienyl]amino]carbonyl]-, 1-[[[4-nitrophenyl]methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L10 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 241497-74-5 CAPLUS
 CN 3-Thiophenecarboxylic acid, 4-[[[5-[(cyclopentylcarbonyl)amino]-1-(diphenylmethyl)-1H-indol-3-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)

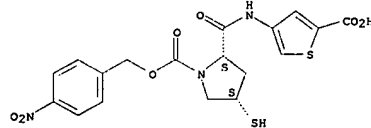


L10 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



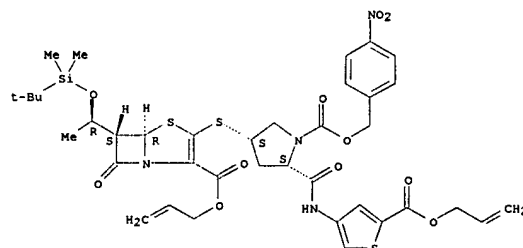
RN 155481-28-0 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[5-carboxy-3-thienyl]amino]carbonyl]-4-mercapto-, 1-[[[4-nitrophenyl]methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 156631-41-3 CAPLUS
 CN 4-Thia-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[1-[[[1,1-dimethylethyl]dimethylsilyl]oxy]ethyl]-3-[[1-[[[4-nitrophenyl]methoxy]carbonyl]-5-[[[5-[(2-propenyloxy)carbonyl]-3-thienyl]amino]carbonyl]-3-pyrrolidinylthio]-7-oxo-, 2-propenyl ester, [5R-(3'S*,5'S*),5a,6a(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

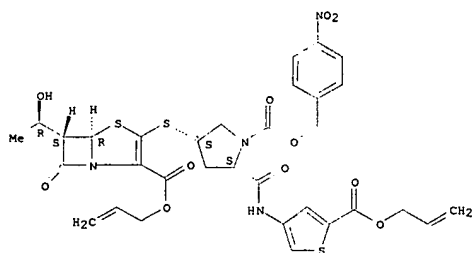


RN 156631-42-4 CAPLUS

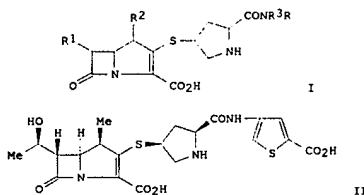
Ngrazier 10680346search

L10 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 4-Thia-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[[1-(hydroxyethyl)-3-[[1-[[4-(nitrophenyl)methoxy]carbonyl]-5-[[[5-[[2-propenyloxy]carbonyl]-3-thienyl]amino]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-, 2-propenyl ester, {3R-[3(3S',5S'),5a,6a(R'')]}- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L10 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 09 Jul 1994
 GI



AB Title compds. I (R = (un)substituted carboxythienyl; R1 = CHMeOH, CHMeF, CH2OH; R2, R3 = H, alkyl) were prepared. Thus, the carbapenem II was obtained from the diphenylphosphoryloxycarbapenem and the thiol, prepared from 2-thiophenecarboxylic acid and the protected mercaptopyrrolidinecarboxylic acid in 4 steps. II had min. inhibitory concns. against Staphylococcus aureus Oxford 0.125 and Escherichia coli DCO 0.008 µg/mL.

ACCESSION NUMBER: 1994:409029 CAPLUS
 DOCUMENT NUMBER: 121:9029
 TITLE: Carbapenem derivatives as antibiotics and intermediates thereof
 INVENTOR(S): Jung, Frederic Henri
 PATENT ASSIGNEE(S): Zeneca Ltd., UK; Zeneca Pharma S. A.
 SOURCE: PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9319070	A1	19930930	WO 1993-GB603	19930324
W:	AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KZ, LK, LU, MG, NL, NO, PL, RO			
RW:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML			
ZA 9301611	A	19930927	ZA 1993-1611	19930305
IL 105135	A1	20000131	IL 1993-105135	19930323
AU 9337636	A1	19931021	AU 1993-37636	19930324
AU 662972	B2	19950921		
EP 586663	A1	19940316	EP 1993-906740	19930324
EP 586663	B1	19990929		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			
HU 65713	A2	19940728	HU 1993-3304	19930324
JP 06508372	T2	19940922	JP 1993-516398	19930324
JP 3313366	B2	20020812		

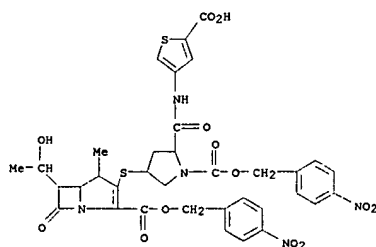
L10 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 AT 185140 E 19991015 AT 1993-906740 19930324
 ES 2136124 T3 19991116 ES 1993-906740 19930324
 CA 2108356 C 20040120 CA 1993-2108356 19930324
 CN 1077957 A 19931103 CN 1993-102800 19930326
 CN 1036713 B 19971217
 NO 9304264 A 19931125 NO 1993-4264 19931125
 FI 104075 B1 19991115 FI 1993-5245 19931125
 US 5519015 A 19960521 US 1993-142459 19931126
 PRIORITY APPLN. INFO.: EP 1992-400836 A 19920326
 EP 1992-402763 A 19921009
 WO 1993-GB603 A 19930324

OTHER SOURCE(S): MARPAT 121:9029
 IT 155481-26-8P 155481-27-9P 155481-28-0P
 155481-30-4P 155481-31-5P 155481-32-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of carboxythienylcarbapenemcarboxylates)
 RN 155481-26-8 CAPLUS
 CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[[[5-carboxy-3-thienyl]amino]carbonyl]-1-[[[4-(nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, 2-[[4-(nitrophenyl)methyl] ester, {4R-[3(3S',5S'),4a,5B,6B(R'')]}-, compd. with N-ethyl-N-(1-methylethyl)-2-propanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

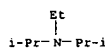
CRN 155481-25-7
 CMF C35 H33 N5 O13 S2



CM 2

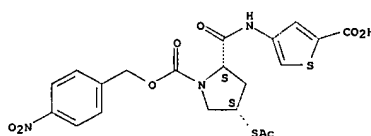
CRN 7087-68-5
 CMF C8 H19 N

L10 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



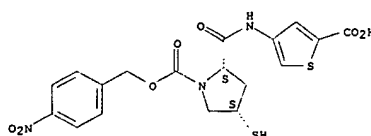
RN 155481-27-9 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-carboxy-3-thienyl]amino]carbonyl]-, 1-[[4-(nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 155481-28-0 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[5-carboxy-3-thienyl]amino]carbonyl]-4-mercapto-, 1-[[4-(nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 155481-30-4 CAPLUS
 CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[[[2-carboxy-3-thienyl]amino]carbonyl]-1-[[[4-(nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, 2-[[2-propenyl] ester, {4R-[3(3S',5S'),4a,5B,6B(R'')]}-, compd. with N-ethyl-N-(1-methylethyl)-2-propanamine (1:1) (9CI) (CA INDEX NAME)

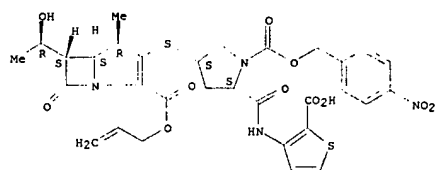
CM 1

CRN 155481-29-1
 CMF C31 H32 N4 O11 S2

Absolute stereochemistry.

Ngrazier 10680346search

L10 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



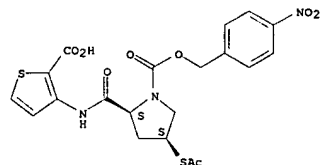
CM 2

CRN 7087-68-5
CMF C8 H19 N

Et
|
i-Pr-N-Pr-i

RN 155481-31-5 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[(2-carboxy-3-thienylamino)carbonyl]-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI)
(CA INDEX NAME)

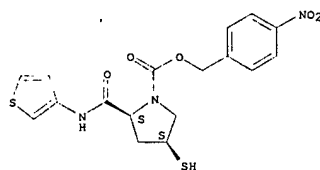
Absolute stereochemistry.



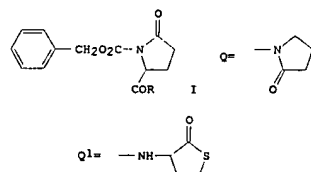
RN 155481-32-6 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-mercapto-2-[(3-thienylamino)carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L10 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L10 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 29 Nov 1991
GI



AB Title compds. I [R = 5- or 6-membered (monohydroxylated) (O- or S-containing) saturated cyclic amino, Q, Q1], useful for treatment of amnesia and dementia, are prepared Treatment of carbobenzoxy-L-pyrroglutamic acid with thiazolidine, 1-hydroxybenztriazole.H2O, and DCC in MeCN at room temperature for

14 h gave N-(1-benzoyloxycarbonyl-5-oxo-L-prolyl)thiazolidine, which inhibited prolyl endopeptidase with IC50 of 0.32 μM.

ACCESSION NUMBER: 1991:632874 CAPLUS
DOCUMENT NUMBER: 115:232874
TITLE: Preparation of pyrroglutamic acid amides as prolyl endopeptidase inhibitors
INVENTOR(S): Furukawa, Atsushi; Yoshimoto, Tadashi; Tsuru, Onori; Ajisawa, Yukiyo; Kinoshita, Yukihiko
PATENT ASSIGNEE(S): Kissei Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKKXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 0305461	A2	19910312	JP 1989-190747	19890724
JP 07103101	B4	19951108		

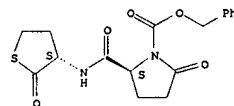
PRIORITY APPLN. INFO.: JP 1989-190747 19890724
OTHER SOURCE(S): MARPAT 115:232874

IT 137042-90-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as prolyl endopeptidase inhibitor)

RN 137042-90-1 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 2-oxo-5-[(1-tetrahydro-2-oxo-3-thienylamino)carbonyl]-, phenylmethyl ester, [S-(R*,R*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L10 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



Ngrazier 10680346search

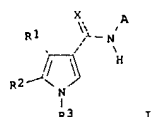
=> s l6

L11 2 L6

=> d ed abs ibib hitstr 1-2

Ngrazier 10680346search

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 27 Jul 2001
GI



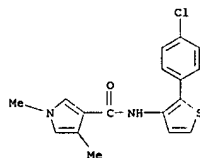
AB The title compds. [I: X = O, S; R1 = alkyl, cycloalkyl, halo; R2 = H, alkyl, alkoxy, etc.; R3 = alkyl; A = (un)substituted ortho-substituted (hetero)aryl, bicyclo(hetero)aryl] which have plant-protective properties and are suitable for protecting plants against infestations by phytopathogenic microorganisms, were prepared. Thus, methylation of Me 4-methylpyrrole-3-carboxylate followed by hydrolysis of the resulting ester, and reaction of 1,4-dimethylpyrrole-3-carboxylic acid with 2-(4'-fluorophenyl)aniline afforded I [X = O; R1, R3 = Me; R2 = H; A = 4'-fluorobiphenyl-2-yl] which showed strong efficacy against Puccinia recondita on wheat (< 20% infestation).

ACCESSION NUMBER: 2001:545661 CAPLUS
DOCUMENT NUMBER: 135:137397
TITLE: Preparation of pyrrolecarboxamides and pyrrolethioamides as fungicides
INVENTOR(S): Walter, Harald; Schneider, Hermann
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

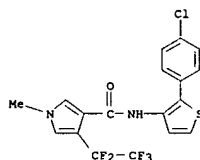
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001053259	A1	20010726	WO 2001-EP592	20010119
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ME, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2397008	AA	20010726	CA 2001-2397008	20010119
BR 2001007738	A	20021022	BR 2001-7738	20010119
EP 1252140	A1	20021030	EP 2001-907468	20010119
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003520269	T2	20030702	JP 2001-553263	20010119
AU 772635	B2	20040506	AU 2001-35433	20010119
ZA 2002005641	A	20031103	ZA 2002-5641	20020715

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
US 2004049035 A1 20040311 US 2002-181702 20021008
US 6806286 B2 20041019
US 2004106521 A1 20040603 US 2003-680346 20031007
PRIORITY APPL. INFO.: GB 2000-1447 A 20000121
WO 2001-EP592 W 20010119
US 2002-181702 A3 20021008

OTHER SOURCE(S): MARPAT 135:137397
IT 351416-74-SP 351416-75-6P 351416-76-7P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (uses) (preparation of pyrrolecarboxamides and pyrrolethioamides as fungicides)
RN 351416-74-5 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(4-chlorophenyl)-3-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

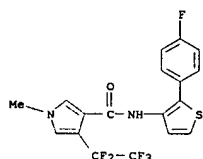


RN 351416-75-6 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(4-chlorophenyl)-3-thienyl]-1-methyl-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



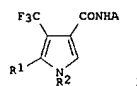
RN 351416-76-7 CAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[2-(4-fluorophenyl)-3-thienyl]-1-methyl-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 25 Feb 2000
GI



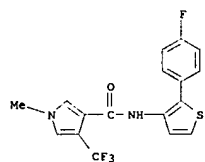
AB Title compds. I (R1 = H, halo, alkyl, haloalkyl; R2 = alkyl, haloalkyl, alkoxyalkyl, cyano, alkylsulfonyl, arylsulfonyl, etc.; A = substituted Ph, substituted 3-thienyl, substituted 4-indanyl) were prepared as plant protectants. Thus, 1.9 g 1-methyl-4-(trifluoromethyl)pyrrole-3-carboxylic acid, obtained from Et 4,4,4-trifluorocrotonate, tosylmethyl isocyanide, and MeI, and 0.9 mL oxalyl chloride in 20 mL CH2Cl2 was stirred at room temperature in the presence of a catalytic amount of DMF, the solvent was evaporated under reduced pressure to give a crystalline solid, and the solid was added to a solution of 1.7 g of 2-biphenylamine and 4.2 mL Et3N in 20 mL CH2Cl2 at 0°, and the reaction mixture was stirred for 2 h at room temperature to give I (R1 = H, R2 = Me, A = 2-biphenyl). Application of this compound on apples, grapes, and tomatoes resulted in <10% infestation by Botrytis cinerea.

ACCESSION NUMBER: 2000:133660 CAPLUS
DOCUMENT NUMBER: 132:166122
TITLE: (Trifluoromethyl)pyrrolecarboxamides
INVENTOR(S): Eberle, Martin; Walter, Harald
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

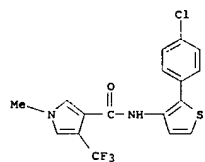
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000009482	A1	20000224	WO 1999-EP5837	19990810
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
TW 576831	B	20040221	TW 1999-88107745	19990513
AU 9955138	A1	20000306	AU 1999-55138	19990810
AU 756140	B2	20030102		
BR 9912962	A	20010508	BR 1999-12962	19990810
EP 1105375	A1	20010613	EP 1999-941573	19990810
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
TR 200100478	T2	20010621	TR 2001-200100478	19990810

Ngrazier 10680346search

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 JP 2002522526 T2 20020723 JP 2000-564936 19990810
 US 2002019541 A1 20020214 US 2001-780897 20010209
 US 6365620 B2 20020402 GB 1998-17548 A 19980812
 WO 1999-EP5837 W 19990810
 PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 132:166122
 IT 258510-88-2P 258510-89-3P 258510-91-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (trifluoromethyl)pyrrolecarboxamides as plant protectants
 RN 258510-88-2 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(4-fluorophenyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

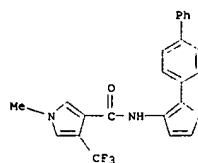


RN 258510-89-3 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-(4-chlorophenyl)-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 258510-91-7 CAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[2-[1,1'-biphenyl]-4-yl-3-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Ngrazier 10680346search

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

124.40

612.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

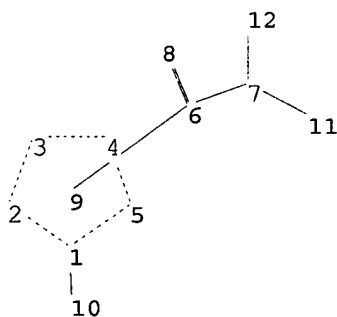
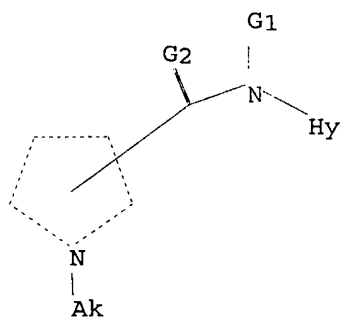
SESSION

CA SUBSCRIBER PRICE

-18.25

-18.25

STN INTERNATIONAL LOGOFF AT 12:06:27 ON 30 AUG 2005



chain nodes :
 6 7 8 10 11 12
 ring nodes :
 1 2 3 4 5
 chain bonds :
 1-10 6-7 6-8 7-11 7-12
 ring bonds :
 1-2 1-5 2-3 3-4 4-5
 exact/norm bonds :
 1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-12

G1:H,CH3

G2:O,S

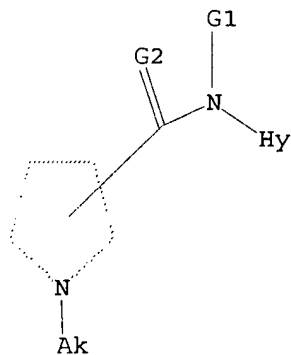
Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:Atom 12:CLASS
 Generic attributes :
 11:
 Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : less than 2
 Type of Ring System : Monocyclic

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H, Me

G2 O, S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 13:44:46 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 136055 TO ITERATE

1.5% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

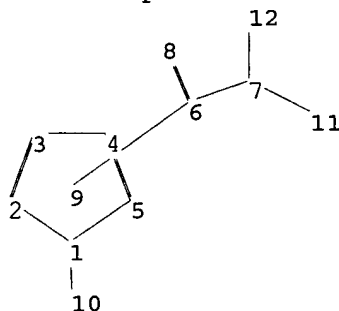
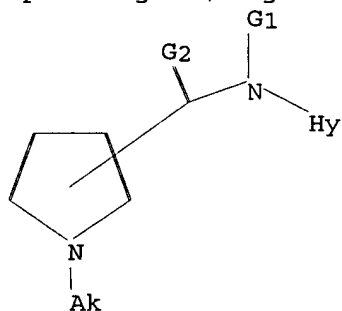
7 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 2699331 TO 2742869
PROJECTED ANSWERS: 8214 TO 10832

L2 7 SEA SSS SAM L1

=>

Uploading C:\Program Files\Stnexp\Queries\10680346exp2.str



chain nodes :

6 7 8 10 11 12

ring nodes :

1 2 3 4 5

chain bonds :

1-10 6-7 6-8 7-11 7-12

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-12

G1:H,CH3

G2:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

11:Atom 12:CLASS

Generic attributes :

11:

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

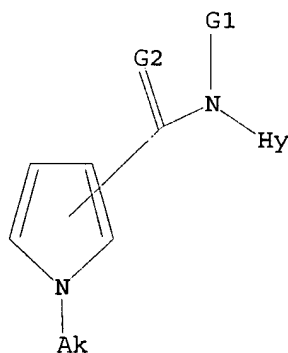
Type of Ring System : Monocyclic

L3 STRUCTURE UPLOADED

=> d l3

L3 HAS NO ANSWERS

L3 STR



G1 H,Me

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l3

SAMPLE SEARCH INITIATED 13:46:21 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 136055 TO ITERATE

1.5% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

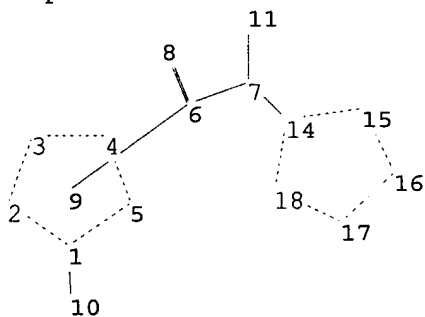
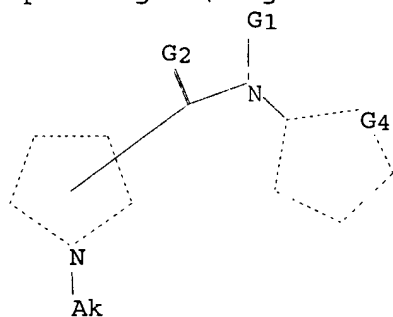
7 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 2699331 TO 2742869
PROJECTED ANSWERS: 8214 TO 10832

L4 7 SEA SSS SAM L3

=>

Uploading C:\Program Files\Stnexp\Queries\346ep2.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 15 16 17 18

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-15 14-18 15-16 16-17 17-18

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-15 14-18 15-16 16-17 17-18

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

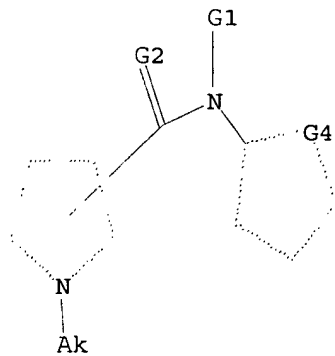
11:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom

L5 STRUCTURE UPLOADED

=> d 15

L5 HAS NO ANSWERS

L5 STR



G1 H, Me
G2 O, S
G3 O, N
G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 13:52:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1828 TO ITERATE

100.0% PROCESSED 1828 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 33996 TO 39124
PROJECTED ANSWERS: 22 TO 418

L6 11 SEA SSS SAM L5

=> s 15 full

FULL SEARCH INITIATED 13:52:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37137 TO ITERATE

100.0% PROCESSED 37137 ITERATIONS 294 ANSWERS
SEARCH TIME: 00.00.01

L7 294 SEA SSS FUL L5

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.92	167.13

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FILE COVERS 1907 - 30 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 29 Aug 2005 (20050829/ED)

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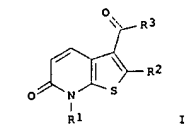
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17

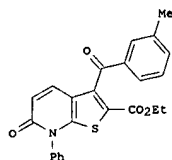
L8 41 L7

=> d ed abs ibib hitstr 1-41

L8 ANSWER 1 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 13 May 2005
 GI



I



II

AB Title compds. I [wherein R1 = (un)substituted (C3-7 cycloalkyl)methyl, heteroaryl; R2 = H, NO2, CN, CO2H and derivs., NH2 and derivs., etc.; R3 = (un)substituted heteroaryl; and their pharmaceutically acceptable salts] were prepared as p38 MAP kinase inhibitors for treating and/or preventing immune or inflammatory disorders. For example, II was prepared by reacting Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given) with 3-methylbenzaldehyde and oxidation with MnO2.

I are potent inhibitors of p38 MAP kinase (IC50 around 2 μ M and below), especially p38 α kinase.

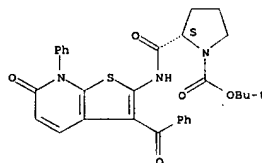
ACCESSION NUMBER: 2005:409526 HCAPLUS
 DOCUMENT NUMBER: 142:463710
 TITLE: Preparation of thieno[2,3-b]pyridine derivatives as kinase, especially p38 MAP kinase, inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders
 INVENTOR(S): Alexander, Rikki Peter; Davis, Jeremy Martin; Hutchings, Martin Clive; Laing, Victoria Elizabeth; Trevitt, Graham Peter
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 181 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1

L8 ANSWER 1 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042540	A1	20050512	WO 2004-GB4490	20041022
M: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			GB 2003-24902	A 20031024
			GB 2003-29490	A 20031219
			GB 2004-2918	A 20040210
			GB 2004-16934	A 20040729

OTHER SOURCE(S): MARPAT 142:463710
 IT 851749-00-3P, tert-Butyl (2S)-2-[[[(3-benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)amino]carbonyl]pyrrolidine-1-carboxylate
 851749-02-5P, tert-Butyl (2R)-2-[[[(3-benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)amino]carbonyl]pyrrolidine-1-carboxylate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)
 RN 851749-00-3 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[(3-benzoyl-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)amino]carbonyl]-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

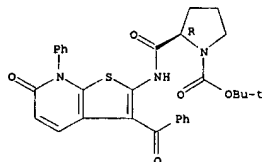
Absolute stereochemistry.



RN 851749-02-5 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[(3-benzoyl-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)amino]carbonyl]-, 1,1-dimethylethyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L8 ANSWER 1 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

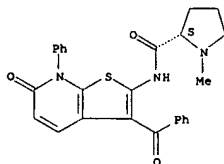


IT 851753-37-2P, N-(3-Benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)-1-methyl-2-pyrrolidinecarboxamide 851753-40-7P, N-(3-Benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)-1-methyl-D-prolinamide
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(p38 α kinase inhibitor; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

RN 851753-37-2 HCAPLUS
 CN 2-Pyrrolidinecarboxamide, N-(3-benzoyl-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)-1-methyl-, (2S)- (9CI) (CA INDEX NAME)

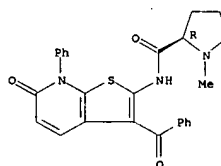
Absolute stereochemistry.



RN 851753-40-7 HCAPLUS
 CN 2-Pyrrolidinecarboxamide, N-(3-benzoyl-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)-1-methyl-, (2R)- (9CI) (CA INDEX NAME)

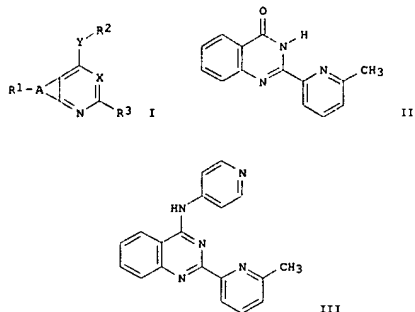
Absolute stereochemistry.

L8 ANSWER 1 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 06 Aug 2004
GI



AB Condensed pyridines and pyrimidines (quinolines, quinoxalines and thienopyrimidines) of formula I [X is N or CH; Y is -NR- or -NHCH₂-; R is alkyl; A is a fused 5-7 membered carbocyclic or N/O/S-heterocyclic ring with one or more R₁ groups; R₁ is H, halo, NO₂, alkyl, OR, CONR₄R₅, O(CH₂)_nNR₄R₅, (CH₂)_nNR₄R₅, or NR₄R₅; R₂ is certain N-containing heterocyclic rings; R₃ is pyridin-2-yl, 6-alkyl-pyridin-2-yl, -pyrrol-2-yl or -thiazol-2-yl; R₄ is H or alkyl; R₅ is alkyl; NR₄R₅ can be 3-7 membered (un)saturated N/O/S-heterocycle] and their pharmaceutically acceptable salts, solvates or derivs. were synthesized. Thus, 2-aminobenzamide was coupled with 6-methyl-2-pyridinecarboxylic acid in the presence of EDCI/HOBT followed by cyclocondensation mediated by NaOH to give quinazolinone II. Chlorination of II with POCl₃ and subsequent substitution of the resulting chloride with 4-aminopyridine afforded quinoxaline III. These compds. are inhibitors of the transforming growth factor TGF-β, especially of activin-like kinase ALK-5 receptor, and are used in the treatment and prevention of various disease states mediated by ALK-5 kinase mechanisms such as kidney fibrosis. All the final products showed ALK5 receptor modulator activity with IC₅₀ of 1-200 nM (16 nM for III) and TGF-β cellular activity with IC₅₀ of 0.001-10 μM (82 nM for III). The role of ALK5 inhibitors for the treatment of photoaging was also demonstrated exptl.

ACCESSION NUMBER: 2004:633933 HCAPLUS
DOCUMENT NUMBER: 141:174181
TITLE: Preparation of quinolines, quinoxalines and thienopyrimidines as ALK-5 receptor ligands for the treatment of kidney fibrosis
INVENTOR(S): Dodic, Nerina; Gellibert, Francoise Jeanne; Hunter,

L8 ANSWER 3 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 19 Jul 2004

AB Hairpin polyamides are synthetic oligomers, which fold and bind to specific DNA sequences in a programmable manner. Internal side-by-side pairings of the aromatic amino acid residues 1-methyl-1H-pyrrole (Py), 1-methyl-1H-imidazole (Im), and 3-hydroxy-1-methyl-1H-pyrrole (Hp) confer the ability to distinguish between all 4 Watson-Crick base pairs in the minor groove of B-form DNA. In a broad search to expand the heterocycle repertoire, we found that when 3-methylthiophene (Tn), which presents a S-atom to the minor groove, is paired with Py, it exhibits a modest 3-fold specificity for T·A > A·T, presumably by shape-selective recognition. In this study, we explore the scope and limitations of this lead by incorporating multiple Tn residues within a single hairpin polyamide. Hairpin polyamides containing >1 Tn/Py pair exhibit lowered affinities and specificities for their match sites. It appears that little deviation is permissible from the parent 5-membered ring 1-methyl-1H-pyrrole-2-carboxamide scaffold for DNA recognition.

ACCESSION NUMBER: 2004:573249 HCAPLUS
DOCUMENT NUMBER: 141:407378
TITLE: DNA minor-groove recognition by 3-methylthiophene/pyrrole pair
AUTHOR(S): Doss, Raymond M.; Marques, Michael A.; Foister, Shane; Dervan, Peter B.
CORPORATE SOURCE: Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA, 91125, USA
SOURCE: Chemistry & Biodiversity (2004), 1(6), 886-899
CODEN: CBHJAM; ISSN: 1612-1872
PUBLISHER: Verlag Helvetica Chimica Acta AG
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 791626-78-3P
RL: ARG (Analytical reagent use); CPS (Chemical process); PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); PROC (Process); USES (Uses)
(DNA minor-groove recognition by 3-methylthiophene/pyrrole pair)

RN 791626-78-3 HCAPLUS
CN 1H-imidazole-2-carboxamide, N-[[5-[[[5-[[[3-[[[3-(dimethylamino)propyl]amino]-3-oxopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-4-methyl-2-thienyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[4-[[[1-methyl-4-[[[3-methyl-5-[[[1-methyl-4-[[[1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-2-thienyl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-1-oxobutyl]amino]- (9CI) (CA INDEX NAME)

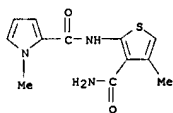
L8 ANSWER 2 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
Robert Neil, III
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004065392	A1	20040805	WO 2004-EP650	20040126
WO 2004065392	C1	20041007		

W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, NZ, NZ, NA, NI

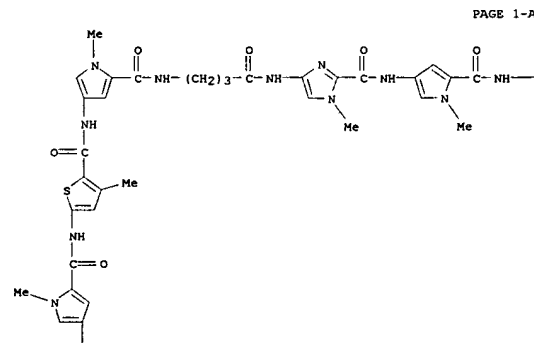
PRIORITY APPL. INFO.: GB 2003-1719 A 20030124
GB 2003-8706 A 20030415
GB 2003-15519 A 20030702

OTHER SOURCE(S): MARPAT 141:174181
IT 733806-35-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Intermediate; preparation of quinolines, quinoxalines and thienopyrimidines as ALK-5 receptor ligands for the treatment of, e.g., kidney fibrosis)
RN 733806-35-4 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[3-(aminocarbonyl)-4-methyl-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)



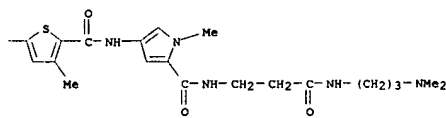
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

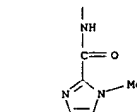


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PAGE 1-B

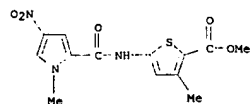


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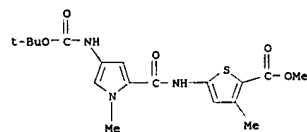


IT 791626-83-0P 791626-84-1P 791626-85-2P
RL: PRP (Properties); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(DNA minor-groove recognition by 3-methylthiophene/pyrrole pair)
RN 791626-83-0 HCAPLUS
CN 2-Thiophenecarboxylic acid, 3-methyl-5-[[[1-methyl-4-nitro-1H-pyrrol-2-

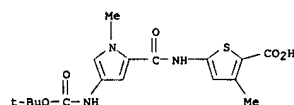
L8 ANSWER 3 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
ED y1)carbonylamino]-, methyl ester (9CI) (CA INDEX NAME)
GI



RN 791626-84-1 HCAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[4-[[[1,1-dimethylethoxy)carbonylamino]-1-methyl-1H-pyrrol-2-yl]carbonylamino]-3-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 791626-85-2 HCAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[4-[[[1,1-dimethylethoxy)carbonylamino]-1-methyl-1H-pyrrol-2-yl]carbonylamino]-3-methyl-, methyl ester (9CI) (CA INDEX NAME)



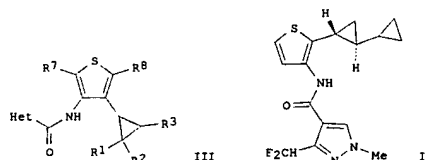
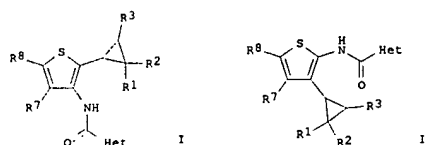
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004039799	A1	20040513	WO 2003-EP11805	20031024
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TH, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TG, UG, ZM, ZW, AG, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2501739	AA	20040513	CA 2003-2501739	20031024
EP 1556377	A1	20050727	EP 2003-776869	20031024
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
PRIORITY APPL. INFO.:			GB 2002-25554	A 20021101
			WO 2003-EP11805	W 20031024

OTHER SOURCE(S): MARPAT 140:406731
IT 688324-04-1P 688324-05-2P 688324-06-3P
688324-07-4P 688324-08-5P 688324-09-6P
688324-10-9P 688324-11-0P 688324-12-1P
688324-13-2P 688324-14-3P 688324-15-4P
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688324-22-3P 688324-23-4P 688324-24-5P
688324-25-6P 688324-26-7P 688324-27-8P
688324-28-9P 688324-29-0P 688324-30-3P
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688324-65-4P 688324-66-5P 688324-67-6P
688324-68-7P 688324-69-8P 688324-70-1P
688324-71-2P 688324-72-3P 688324-73-4P
688324-74-5P 688324-75-6P 688324-76-7P
688324-77-8P 688324-78-9P 688324-79-0P
688324-80-3P 688324-81-4P 688324-82-5P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
[fungicide; preparation of N-(cyclopropylthienyl)carboxamides as fungicides]
RN 688324-04-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-ethylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

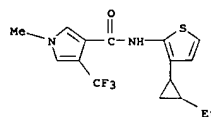
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 13 May 2004
GI



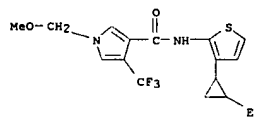
AB A fungicidally active compound I, II, or III (wherein Het = (un)substituted 5- or 6-membered heterocyclic ring containing one to three O, N, and/or S atoms, provided that the ring is not 1,2,3-triazole; R1 and R2 = independently H, halo, or Me; R3 = (un)substituted (cyclo)alkyl, alkenyl, alkynyl, Ph, heterocyclyl; R7 and R8 = independently H, halo, or (halo)alkyl) were prepared for use as active ingredients in agricultural or horticultural compns. for controlling or preventing infestation of plants by phytopathogenic microorganisms, preferably fungi. For example, 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid was amidated with [2-(bicyclopropyl-2-yl)thiophen-3-yl]amine in the presence of TEA and N,N-bis(2-oxooxazolidinyl)phosphonic acid chloride in CH2Cl2 to give trans-IV (9% purity). The latter showed excellent activity against Puccinia recondita on wheat (0-5% infestation) and showed good activity against Podosphaera leucotricha on apple, Venturia inaequalis on apple, Erysiphe graminis on barley, Pyrenophora teres on barley, Alternaria solani on tomato, and Uncinula necator on grape (<20% infestation for each).

ACCESSION NUMBER: 2004:390242 HCAPLUS
DOCUMENT NUMBER: 140:406731
TITLE: Preparation of N-(cyclopropylthienyl)carboxamides as fungicides
INVENTOR(S): Ehrenfreund, Josef; Tobler, Hans; Walter, Harald
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2

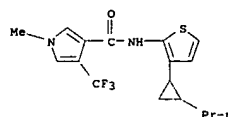
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



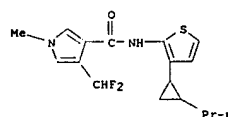
RN 688324-05-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-ethylcyclopropyl)-2-thienyl]-1-(methoxymethyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-06-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-(2-propylcyclopropyl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

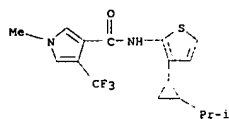


RN 688324-07-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[3-(2-propylcyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

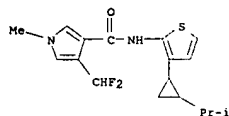


RN 688324-08-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

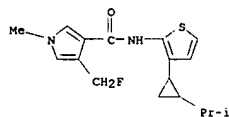
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



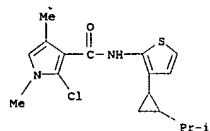
RN 688324-09-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)



RN 688324-10-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

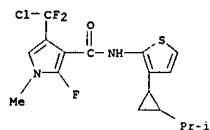


RN 688324-11-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

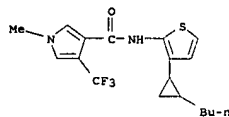


RN 688324-12-1 HCAPLUS

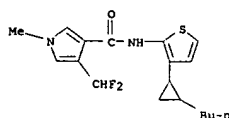
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



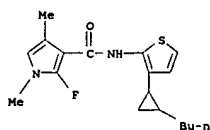
RN 688324-16-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-butylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-17-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-butylcyclopropyl)-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



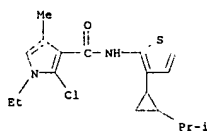
RN 688324-18-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-butylcyclopropyl)-2-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)



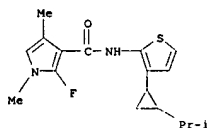
RN 688324-19-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-butylcyclopropyl)-2-thienyl]-2-chloro-1,4-dimethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

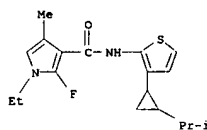
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1-ethyl-4-methyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)



RN 688324-13-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

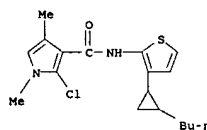


RN 688324-14-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-ethyl-2-fluoro-4-methyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

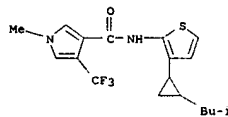


RN 688324-15-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-2-fluoro-1-methyl-N-[3-(2-(1-methylethyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

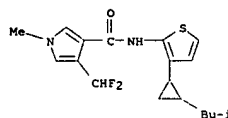
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



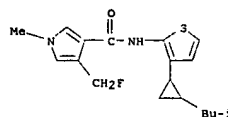
RN 688324-20-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-(2-(2-methylpropyl)cyclopropyl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-21-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[3-(2-(2-methylpropyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

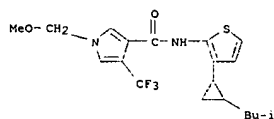


RN 688324-22-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[3-(2-(2-methylpropyl)cyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

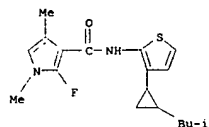


RN 688324-23-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-(methoxymethyl)-N-[3-(2-(2-methylpropyl)cyclopropyl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

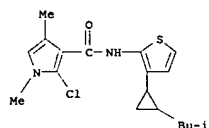
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



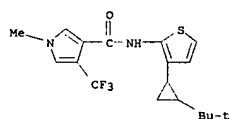
RN 688324-24-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[3-[2-(2-methylpropyl)cyclopropyl]-2-thienyl]- (9CI) (CA INDEX NAME)



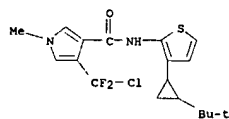
RN 688324-25-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[3-[2-(2-methylpropyl)cyclopropyl]-2-thienyl]- (9CI) (CA INDEX NAME)



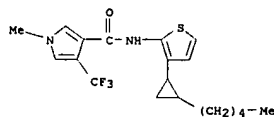
RN 688324-26-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(1,1-dimethylethyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



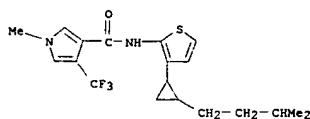
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



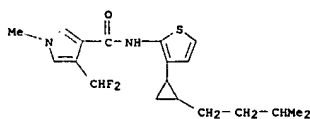
RN 688324-31-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-[2-(3-methylbutyl)cyclopropyl]-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-32-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-[2-(3-methylbutyl)cyclopropyl]-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



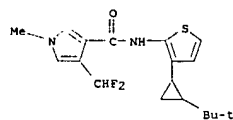
RN 688324-33-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[3-[2-(3-methylbutyl)cyclopropyl]-2-thienyl]- (9CI) (CA INDEX NAME)



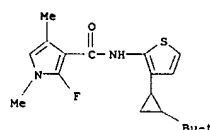
RN 688324-34-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(3-methylbutyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

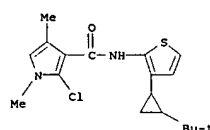
RN 688324-27-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[3-[2-(1,1-dimethylethyl)cyclopropyl]-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)



RN 688324-28-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(1,1-dimethylethyl)cyclopropyl]-2-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

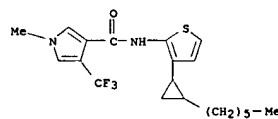


RN 688324-29-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[3-[2-(1,1-dimethylethyl)cyclopropyl]-2-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

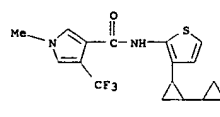


RN 688324-30-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[3-[2-(1,1-dimethylethyl)cyclopropyl]-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

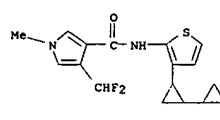
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



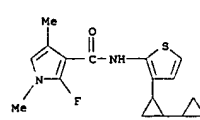
RN 688324-35-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[1,1'-bicyclopropyl]-2-yl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-36-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[1,1'-bicyclopropyl]-2-yl]-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

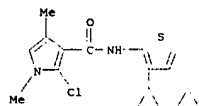


RN 688324-37-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[1,1'-bicyclopropyl]-2-yl]-2-thienyl]-4-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

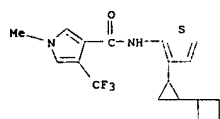


RN 688324-38-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[1,1'-bicyclopropyl]-2-yl]-2-thienyl]-2-chloro-1,4-dimethyl- (9CI) (CA INDEX NAME)

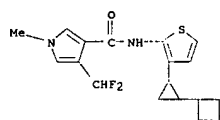
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688324-39-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclobutylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

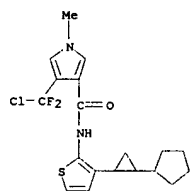


RN 688324-40-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclobutylcyclopropyl)-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

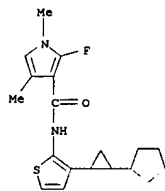


RN 688324-41-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclopentylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

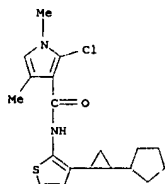
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688324-45-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclopentylcyclopropyl)-2-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)

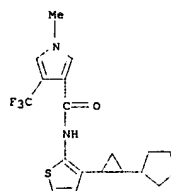


RN 688324-47-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[3-(2-cyclopentylcyclopropyl)-2-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

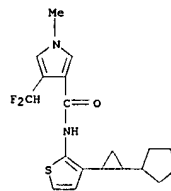


RN 688324-48-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclohexylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

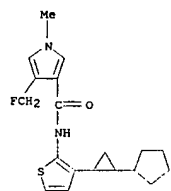
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 688324-42-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclopentylcyclopropyl)-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

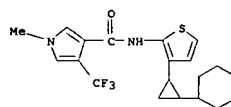


RN 688324-43-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclopentylcyclopropyl)-2-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

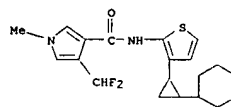


RN 688324-44-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[3-(2-

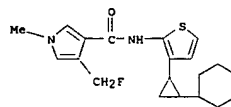
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



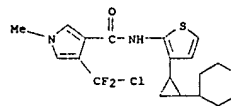
RN 688324-49-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclohexylcyclopropyl)-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 688324-50-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclohexylcyclopropyl)-2-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

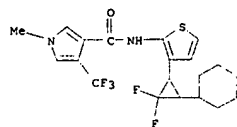


RN 688324-51-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[3-(2-cyclohexylcyclopropyl)-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

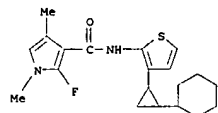


RN 688324-52-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(3-cyclohexyl-2,2-difluorocyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

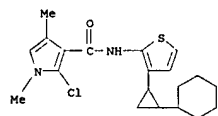
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



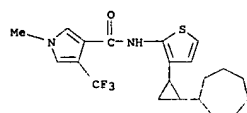
RN 688324-53-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclohexylcyclopropyl)-2-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)



RN 688324-54-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)

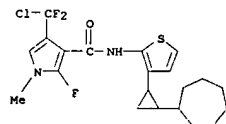


RN 688324-55-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

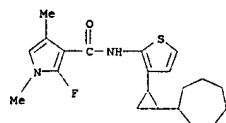


RN 688324-56-3 HCAPLUS

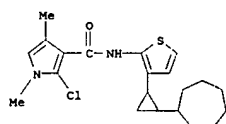
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



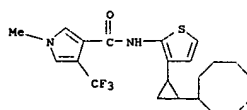
RN 688324-60-9 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-2-fluoro-1,4-dimethyl- (9CI) (CA INDEX NAME)



RN 688324-61-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-1,4-dimethyl- (9CI) (CA INDEX NAME)



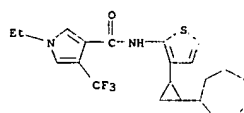
RN 688324-62-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclooctylcyclopropyl)-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



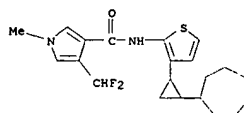
RN 688324-63-2 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cyclooctylcyclopropyl)-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

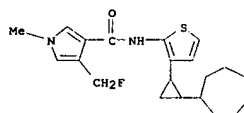
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-1-ethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-57-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

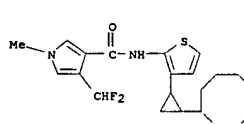


RN 688324-58-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-4-(fluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

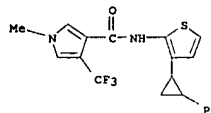


RN 688324-59-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(chlorodifluoromethyl)-N-[3-(2-cycloheptylcyclopropyl)-2-thienyl]-2-fluoro-1-methyl- (9CI) (CA INDEX NAME)

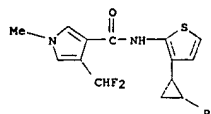
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



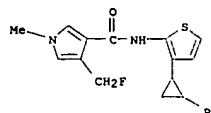
RN 688324-64-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-(2-phenylcyclopropyl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-65-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[3-(2-phenylcyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

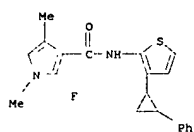


RN 688324-66-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(fluoromethyl)-1-methyl-N-[3-(2-phenylcyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

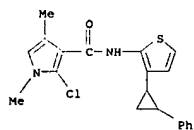


RN 688324-67-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[3-(2-phenylcyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)

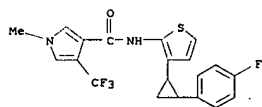
L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



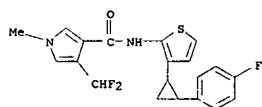
RN 688324-68-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[3-(2-phenylcyclopropyl)-2-thienyl]- (9CI) (CA INDEX NAME)



RN 688324-69-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(4-fluorophenyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



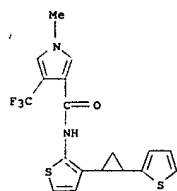
RN 688324-70-1 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-N-[3-[2-(4-fluorophenyl)cyclopropyl]-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)



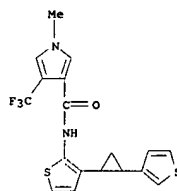
RN 688324-71-2 HCAPLUS

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

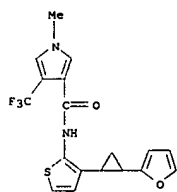
RN 688324-75-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-[2-(2-thienyl)cyclopropyl]-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-76-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-[2-(3-thienyl)cyclopropyl]-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



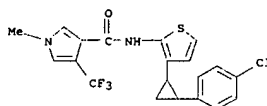
RN 688324-77-8 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(2-furanyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



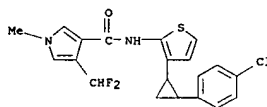
RN 688324-78-9 HCAPLUS

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

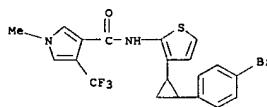
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(4-chlorophenyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



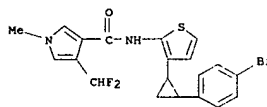
RN 688324-72-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(4-chlorophenyl)cyclopropyl]-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)



RN 688324-73-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(4-bromophenyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

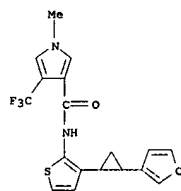


RN 688324-74-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(4-bromophenyl)cyclopropyl]-2-thienyl]-4-(difluoromethyl)-1-methyl- (9CI) (CA INDEX NAME)

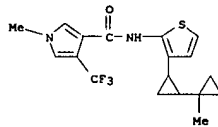


L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

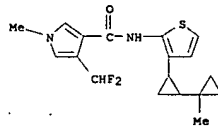
CN 1H-Pyrrole-3-carboxamide, N-[3-[2-(2-furanyl)cyclopropyl]-2-thienyl]-1-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 688324-79-0 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 1-methyl-N-[3-(1'-methyl[1,1'-bicyclopropyl]-2-yl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

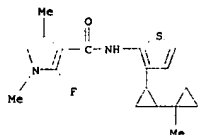


RN 688324-80-3 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 4-(difluoromethyl)-1-methyl-N-[3-(1'-methyl[1,1'-bicyclopropyl]-2-yl)-2-thienyl]- (9CI) (CA INDEX NAME)

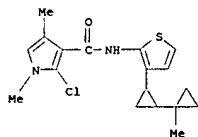


RN 688324-81-4 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-fluoro-1,4-dimethyl-N-[3-(1'-methyl[1,1'-bicyclopropyl]-2-yl)-2-thienyl]- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



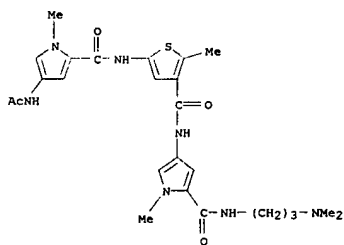
RN 688324-82-5 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 2-chloro-1,4-dimethyl-N-[(3-(1'-methyl[1,1'-bicyclopropyl]-2-yl)-2-thienyl)]- (9CI) (CA INDEX NAME)



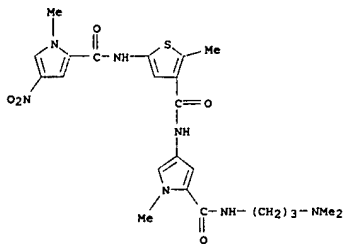
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 41 HCAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

RN 683815-41-0 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, 4-[(acetylamino)-N-[4-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-5-methyl-2-thienyl]-1-methyl]- (9CI) (CA INDEX NAME)



IT 683815-68-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, antimicrobial and antifungal activities of heterocyclic amino acid trimers as distamycin analogs with enhanced lipophilicity)
RN 683815-68-1 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[4-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-5-methyl-2-thienyl]-1-methyl-4-nitro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 41 HCAPLUS COPYRIGHT 2005 ACS ON STN

ED Entered STN: 05 Mar 2004

AB Forty-eight heterocyclic amino acid trimers, analogs of distamycin, with a number of features that enhance lipophilicity are described. They contain alkyl or cycloalkyl groups larger than methyl; some are N-terminated by acetamide or methoxybenzamide and are C-terminated by dimethylaminopropyl or aliphatic heterocyclic aminopropyl substituents. The ability of these compounds to bind principally to AT tracts of DNA has been evaluated using capillary zone electrophoresis. Significant antimicrobial activity against key organisms such as MRSA and *Candida albicans* is shown by several compounds, especially those containing a thiazole. Moreover, these compounds have low toxicity with respect to several mammalian cell lines.

ACCESSION NUMBER: 2004:178994 HCAPLUS

DOCUMENT NUMBER: 140:375474

TITLE: Distamycin Analogues with Enhanced Lipophilicity:

Synthesis and Antimicrobial Activity

AUTHOR(S): Khalaf, Abedawn I.; Waigh, Roger D.; Drummond, Allan J.; Pringle, Breffni; McGroarty, Ian; Skellern, Graham G.; Suckling, Colin J.

CORPORATE SOURCE: Department of Pure Applied Chemistry and Department of Pharmaceutical Sciences, University of Strathclyde, Glasgow, G1 1XL, UK

SOURCE: Journal of Medicinal Chemistry (2004), 47(8), 2133-2156

CODEN: JMCHAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

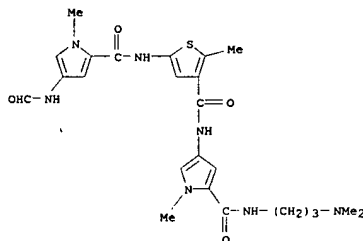
LANGUAGE: English

IT 683815-40-9P 683815-41-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, antimicrobial and antifungal activities of heterocyclic amino acid trimers as distamycin analogs with enhanced lipophilicity)

RN 683815-40-9 HCAPLUS

CN 1H-Pyrrole-2-carboxamide, N-[4-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-5-methyl-2-thienyl]-4-(formylamino)-1-methyl- (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 41 HCAPLUS COPYRIGHT 2005 ACS ON STN

ED Entered STN: 02 Sep 2003

AB The eight novel polyamides: PyPyPyBDp, ImPyPyBDp, ImImPyBDp, PyImImBDp, ImImImBDp, PyPyImBDp, ImPyImBDp, and PyImPyBDp (Py = N-methylpyrrole, Im = N-methylimidazole, β = β-alanine, Dp = N,N-dimethylpropyldiamine) were synthesized by the dicyclohexylcarbodiimide/1-hydroxybenzotriazole (DCC/HOBT) coupling reaction. This paper describes the mass spectral fragmentation mechanisms of these eight polyamides, investigated by electrospray ionization with tandem mass spectrometry (ESI-MS/MS).

ACCESSION NUMBER: 2003:684284 HCAPLUS

DOCUMENT NUMBER: 140:128669

TITLE: Fragmentation mechanisms of polyamides containing N-methylpyrrole and N-methylimidazole by electrospray ionization tandem mass spectrometry

AUTHOR(S): Yuan, Gu; Tang, Feili; Zhu, Chang Jin; Liu, Yan; Zhao, Yu Fen

CORPORATE SOURCE: Department of Chemical Biology, The Key Laboratory of Bioorganic Chemistry and Molecular Engineering, Ministry of Education, College of Chemistry, Peking University, Beijing, 100871, Peop. Rep. China

SOURCE: Rapid Communications in Mass Spectrometry (2003), 17(17), 2015-2018

CODEN: RCHSEF; ISSN: 0951-4198

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

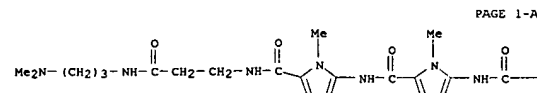
LANGUAGE: English

IT 648928-24-9P 648928-25-0P 648928-29-4P

RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(fragmentation mechanisms of polyamides containing methylpyrrole and methylimidazole by electrospray ionization tandem mass spectrometry)

RN 648928-24-9 HCAPLUS

CN 1H-Pyrrole-2-carboxamide, N-[5-[[[3-[[[3-(dimethylamino)propyl]amino]-3-oxopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-5-[[[1-methyl-1H-pyrrol-2-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)



PAGE 1-A



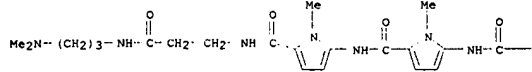
PAGE 1-B

RN 648928-25-0 HCAPLUS

CN 1H-Imidazole-2-carboxamide, N-[5-[[[3-[[[3-(dimethylamino)propyl]amino]-3-oxopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)

L8 ANSWER 6 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A

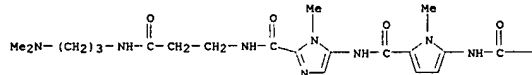


PAGE 1-B



RN 648928-29-4 HCAPLUS
 CN 1H-Imidazole-2-carboxamide, N-[3-[[3-(dimethylamino)propyl]amino]-3-oxopropyl]-1-methyl-5-[[[1-methyl-5-[[[1-methyl-1H-pyrrolo-2-yl]carbonyl]amino]-1H-pyrrolo-2-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

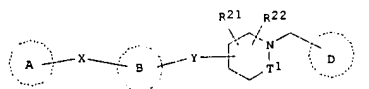


PAGE 1-B



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 08 Mar 2002
 GI



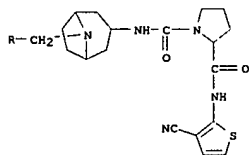
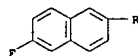
AB The title compds. I [ring A = (un)substituted heterocyclic ring, etc.; X = bond, O, CO, etc.; ring B = Q1, etc.; ring V3 = hydrocarbon ring, etc.; W = CH, N; Y = CO, etc.; R21, R22 = H, halo, etc.; T1 = (CH2)n; n = 0 - 2; ring D = (un)substituted aryl, etc.] are prepared. In an in vitro test (for CCR3 antagonism) using cells, compds. of this invention showed IC50 values of 0.001 μM to 0.45 μM.

ACCESSION NUMBER: 2002:171853 HCAPLUS
 DOCUMENT NUMBER: 136:232201
 TITLE: Preparation of cyclic amine derivatives as CCR3 antagonists
 INVENTOR(S): Morihira, Koichiro; Inami, Hiroshi; Kubota, Hirokazu; Yokoyama, Kazuhiro; Morokata, Tatsuki; Takeuchi, Makoto; Takahashi, Toshiya; Kaneko, Masayuki; Imaka, Takayuki; Torii, Yuichi; Iura, Yosuke
 PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan; Toray Industries, Inc.
 SOURCE: PCT Int. Appl., 92 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018335	A1	20020307	WO 2001-JP7321	20010827
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,			

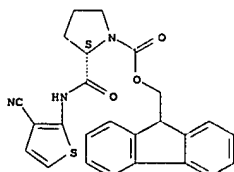
L8 ANSWER 7 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2001080187 A5 20020313 AU 2001-80187 20010827
 PRIORITY APPLN. INFO.: JP 2000-257451 A 20000828
 WO 2001-JP7321 W 20010827

OTHER SOURCE(S): MARPAT 136:232201
 IT 403617-43-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of cyclic amine derivs. as CCR3 antagonists)
 RN 403617-43-6 HCAPLUS
 CN 1,2-Pyrrolidinedicarboxamide, N2-(3-cyano-2-thienyl)-N1-[(3-exo)-8-[(6-fluoro-2-naphthalenyl)methyl]-8-azabicyclo[3.2.1]oct-3-yl]-, (2S)- (9CI) (CA INDEX NAME)



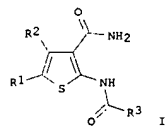
IT 403478-55-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of cyclic amine derivs. as CCR3 antagonists)
 RN 403478-55-7 HCAPLUS
 CN 1-Pyrrolidinedicarboxylic acid, 2-[[[3-cyano-2-thienyl]amino]carbonyl]-, 9H-fluoren-9-ylmethyl ester, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 ED Entered STN: 28 Dec 2001
 GI

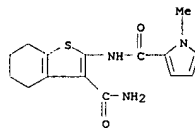


AB The title compds. [I: R1, R2 = H, halo, aryl, etc.; or R1 and R2 taken together form (CH2)m(HR4)n(CH2)p (wherein m, p = 1-3; n = 0-1; m + n + p = 3-5; R4 = H, alkyl; R3 = alkyl, alkenyl, aryl, etc.), useful in the treatment of diseases caused by and/or associated with an altered protein kinase activity such as cancer, cell proliferative disorders, Alzheimer's disease, viral infections, auto-immune diseases and neurodegenerative disorders (no data given), were prepared. Thus, amidation of 2-amino-3-carbamoyl-4,5,6,7-tetrahydrobenzo[b]thiophene with phenylacetic acid afforded I [R1R2 = (CH2)4; R3 = CH2Ph].

ACCESSION NUMBER: 2001:935593 HCAPLUS
 DOCUMENT NUMBER: 136:69729
 TITLE: Preparation of thiophene-3-carboxamides as kinase inhibitors
 INVENTOR(S): Fancelli, Daniele; Pevarello, Paolo; Varasi, Mario
 PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A., Italy
 SOURCE: PCT Int. Appl., 85 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

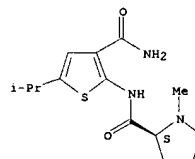
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001098290	A2	20011227	WO 2001-EP6763	20010614
WO 2001098290	A3	20020516		
W: AU, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6414013	B1	20020702	US 2000-596550	20000619
CA 2414085	AA	20011227	CA 2001-2414085	20010614
AU 2001085745	A3	20020102	AU 2001-85745	20010614
EP 1294707	A2	20030326	EP 2001-964983	20010614
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

L8 ANSWER 8 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004501146 T2 20040115 JP 2002-504246 20010614
 PRIORITY APPLN. INFO.: US 2000-596550 A 20000619
 WO 2001-EP6763 W 20010614
 OTHER SOURCE(S): MARPAT 136:69729
 IT 383379-42-8P 383379-77-9P 383380-21-0P
 383380-90-3P 383381-04-2P 383381-05-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of thiophene-3-carboxamides as kinase inhibitors)
 RN 383379-42-8 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, N-[3-(aminocarbonyl)-4,5,6,7-tetrahydrobenzo[b]thien-2-yl]-1-methyl- (9CI) (CA INDEX NAME)



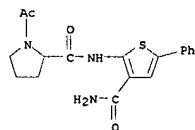
RN 383379-77-9 HCAPLUS
 CN 2-Pyrrolidinecarboxamide, N-[3-(aminocarbonyl)-5-(1-methylethyl)-2-thienyl]-1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

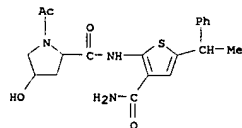


RN 383380-21-0 HCAPLUS
 CN 2-Pyrrolidinecarboxamide, 1-acetyl-N-[3-(aminocarbonyl)-5-phenyl-2-thienyl]- (9CI) (CA INDEX NAME)

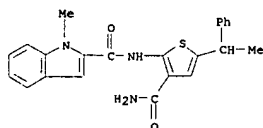
L8 ANSWER 8 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



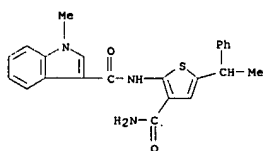
RN 383380-90-3 HCAPLUS
 CN 2-Pyrrolidinecarboxamide, 1-acetyl-N-[3-(aminocarbonyl)-5-(1-phenylethyl)-2-thienyl]-4-hydroxy- (9CI) (CA INDEX NAME)



RN 383381-04-2 HCAPLUS
 CN 1H-Indole-2-carboxamide, N-[3-(aminocarbonyl)-5-(1-phenylethyl)-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)

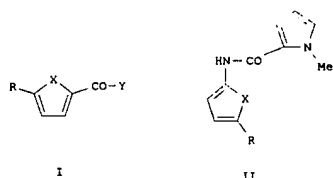


RN 383381-05-3 HCAPLUS
 CN 1H-Indole-3-carboxamide, N-[3-(aminocarbonyl)-5-(1-phenylethyl)-2-thienyl]-1-methyl- (9CI) (CA INDEX NAME)



L8 ANSWER 8 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

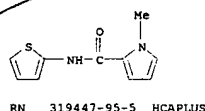
L8 ANSWER 9 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 26 Sep 2000
GI



AB N-linked five-membered heteroaryls were obtained by conversion of 2-carboxy-heteroarenes I (Y = OH, R = H, Me, SiMe₃, X = S, Se, O) into N-(2-heteroaryl)-1-methylpyrrole-2-carboxamides II. The procedure is based on a simple thermal rearrangement of thiophene or selenophene carbonyl azides I (Y = N₃) in neat 1-methylpyrrole at 90°.

ACCESSION NUMBER: 2000:673727 HCAPLUS
DOCUMENT NUMBER: 134:100944
TITLE: A convenient and efficient conversion of 2-carboxyheteroarenes into and N-(2-thienyl and 2-selenophenyl) 1-methylpyrrole-2-carboxamides
AUTHOR(S): Danielli, Filippo; Zanirato, Paolo
CORPORATE SOURCE: Dip. di Chim. Organica, 'A. Mangini', Univ. di Bologna, Bologna, 40136, Italy
SOURCE: ARKIVOC (online computer file) (2000), 1(1), 67-72
CODEN: ARKVC1
URL: <http://www.arkat.org/arkat/journal/Issue1/ARK000009/ms9.pdf>
PUBLISHER: ARKAT Foundation
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:100944
IT 319447-91-1P 319447-95-5P 319447-97-7P
319447-99-9P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 319447-91-1 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, 1-methyl-N-2-thienyl- (9CI) (CA INDEX NAME)

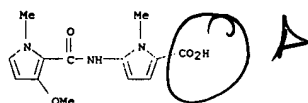


L8 ANSWER 10 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 15 Sep 2000

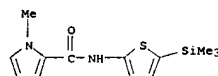
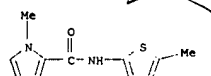
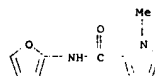
AB A new aromatic pair, 2-hydroxy-6-methoxybenzamide/1-methylpyrrole at the terminal position of hairpin polyamides has been designed for distinguishing T-A from A-T base pairs and both from G-C/G in the minor groove of DNA. Four eight-ring hairpin polyamides with benzamide (Bz), 2-hydroxybenzamide (Hb-1), 2-hydroxy-6-methylbenzamide (Hb-2), and 2-hydroxy-6-methoxybenzamide (Hb-3) at the N-terminal position were synthesized. The equilibrium association

const. (K_a) were determined at four DNA sites which differ at a single common position, 5'-TNTACA-3' (N = T, A, G, C). Quant. DNase I footprint titration expts. reveal that (Hb-3)PyPyPy-(R)H₂Ny-ImPyPyPy-B-Dp (4) bound the sequences 5'-TTTACA-3' and 5'-TATACA-3' with high affinity; K_a = 2.6 + 1010 M⁻¹ and K_a = 8.4 + 109 M⁻¹, resp., a 3-fold specificity for T vs. A was found. Importantly, the sequences 5'-TGTACA-3' and 5'-TCTACA-3' are bound with 50 and 200 times lower affinity, revealing an overall specificity of Hb-3/Py of T > A > G > C. These results expand the repertoire of sequences targetable by hairpin polyamides.

ACCESSION NUMBER: 2000:644918 HCAPLUS
DOCUMENT NUMBER: 134:26617
TITLE: Hydroxybenzamide/Pyrrole Pair Distinguishes T-A from A-T Base Pairs in the Minor Groove of DNA
AUTHOR(S): Ellervik, Ulif; Wang, Clay C. C.; Dervan, Peter B.
CORPORATE SOURCE: Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA, 91125, USA
SOURCE: Journal of the American Chemical Society (2000), 122(39), 9354-9360
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 312299-02-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(polyamides containing hydroxybenzamide/pyrrole pair distinguish T-A from A-T base pairs in minor groove of DNA)
RN 312299-02-8 HCAPLUS
CN 1H-Pyrrole-2-carboxylic acid, 5-[[[(3-methoxy-1-methyl-1H-pyrrol-2-yl)carbonylamino]-1-methyl- (9CI) (CA INDEX NAME)



L8 ANSWER 9 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN 1H-Pyrrole-2-carboxamide, N-2-thienyl-1-methyl- (9CI) (CA INDEX NAME)

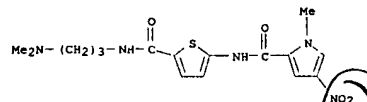


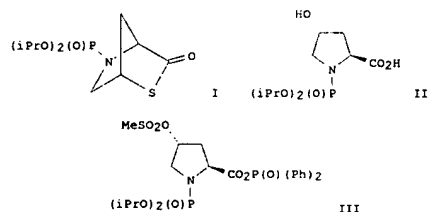
Pub
2/21/00

L8 ANSWER 11 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 13 Jul 2000

AB Head-to-head linked dimers of heterocyclic amino acids were prepared to investigate their affinity and selectivity in binding to the minor groove of DNA. The selection of targets for synthesis was led by computer based design. Several novel dicarboxylic acid linkers including indoles, phenanthrenes, a fluorenone, and a bisbenzothienophene were included. Anal. of binding to DNA by footprinting showed high affinity for compds. derived from 2,7-dihydrophenanthrenedicarboxylic acid and a predominate selectivity for AT rich regions containing at least four AT pairs but with the ability to span up to two CG base pairs.

ACCESSION NUMBER: 2000:471732 HCAPLUS
DOCUMENT NUMBER: 133:281718
TITLE: The synthesis of some head to head linked DNA minor groove binders
AUTHOR(S): Khalaf, A. I.; Pitt, A. R.; Scobie, M.; Suckling, C. J.; Urwin, J.; Waigh, R. D.; Fishleigh, R. V.; Young, S. C.; Wylie, W. A.
CORPORATE SOURCE: Department of Pure and Applied Chemistry, University of Strathclyde, Glasgow, G1 1XL, UK
SOURCE: Tetrahedron (2000), 56(29), 5225-5239
CODEN: TETRAE; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:281718
IT 299974-91-7P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of head-to-head linked heterocyclic amino acid dimers with binding affinity to minor groove of DNA)
RN 299974-91-7 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-dimethylamino)propyl]amino]carbonyl]-2-thienyl]-1-methyl-4-nitro- (9CI) (CA INDEX NAME)





ACCESSION NUMBER: 2000:307143 HCAPIUS
DOCUMENT NUMBER: 132:321855
TITLE: Process for synthesizing carbapenem side chain intermediates
INVENTOR(S): Brands, Karel M. J.; Williams, John M.; Dolling, Ulf H.; Jobson, Ronald B.; Davies, Antony J.; Cottrell, Ian F.; Cameron, Mark; Ashwood, Michael S.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 13 pp., Division of U.S. Ser. No. 106,297.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACK. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6060607	A	20000509	US 1999-334398	19990616
US 6063931	A	20000516	US 1998-106297	19980629
PRIORITY APPLN. INFO.:			US 1998-106297	A3 19980629
			US 1997-50232P	P 19970709

OTHER SOURCE(S): CASREACT 132:321855; MARPAT 132:321855

IT 266337-28-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(process for synthesizing carbapenem side chain intermediates)

RN 266337-28-4 HCAPLUS

1-Pyrrolidinecarboxylic acid, 2-[[[(5-carboxy-2-thienyl)amino]carbonyl]-4-hydroxy-, 1-[(1,1-dimethylethyl) ester, (2S,4S)- (9CI) (CA INDEX NAME)

L8 ANSWER 13 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 07 Apr 2000

AB A synthetic combinatorial library of 10,000 components mostly containing aromatic

amino acids was screened for inhibition of DNase I cleavage at two ARE sequences. Ten amino acid building blocks were used to generate the library in which the N and C terminal residues were fixed and the four central positions of the peptide ligands were varied. The DNase I footprinting assay led, after deconvolution through sublibrary synthesis, to the identification of CGL-6382 as an ARE-selective minor groove binder containing a N-terminal nicotinic acid motif adjacent to a N-methylimidazole unit and three N-methylpyrrole units coupled to a C-terminal argininate residue. The optimized ligand CGL-6382 was able to recognize a 5'-GC(A/T)(A/T) motif of the two estrogen and two androgen responsive elements. The discovery of CGL-6382 as an ARE-selective ligand augurs well for the use of the DNase I footprinting methodol. to identify sequence-specific DNA recognition ligands from large mixts. of small mols.

(c) 2000 Academic Press.

ACCESSION NUMBER: 2000:224933 HCAPLUS
DOCUMENT NUMBER: 133:68541
TITLE: An ARE-selective DNA minor groove binder from a
combinatorial approach
AUTHOR(S): Hamy, Francois; Albrecht, Genevieve; Florsheimer,
Andreas; Bailly, Christian
CORPORATE SOURCE: Department of Oncology, Novartis Pharma Research,
Basel, CH-4002, SWITZ.
SOURCE: Biochemical and Biophysical Research Communications
(2000), 270(2), 392-399
CODEN: BBRCAS ISSN: 0006-291X
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English

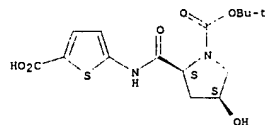
IT 278788-93-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(an ARE-selective DNA minor groove binder from a combinatorial approach)

RN 278788-95-7 HCAPLUS

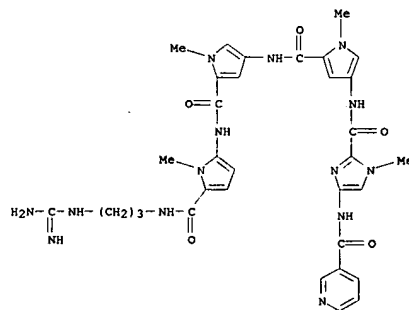
CN 3-Pyridinecarboxamide, N-[2-[[[5-[[[5-[[[3-
[[[amino]iminomethyl]amino]propyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-
yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-
pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]- (9CI) (CA INDEX
NAME)

L8 ANSWER 12 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
Absolute stereochemistry.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 13 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 01 Dec 1999
 AB The synthesis, biol. activity, and DNA-binding properties of a series of four pyrrolo[2,1-c][1,4]benzodiazepine (PBD) hybrids containing polypyrrole side chains are described and structure-activity relationships examined. To investigate sequence selectivity and stability of drug/DNA complexes, DNase I footprinting and arrested polymerase chain reaction (PCR) were performed on human c-myc oncogene, estrogen receptor gene, and human immunodeficiency virus type 1 long terminal repeat (HIV-1 LTR) gene sequences. The antiproliferative activity of the hybrids was tested in vitro on human myeloid leukemia K562 and T-lymphoid Jurkat cell lines and compared to antiproliferative effects of the natural product distamycin A 1, its tetrapyrrole homolog, DC 81, and a PBD ester. The new hybrids exhibit different DNA-binding activity with respect to both distamycin A 1 and the parent PBD. In addition, a direct relationship was found between the number of pyrrole rings present in the hybrids and the stability of drug/DNA complexes. With respect to antiproliferative effects, it was found that the increase in the length of the polypyrrole backbone leads to an increase of in vitro antiproliferative effects, i.e., the hybrid with 4 pyrroles is more active than the other ones both against K562 and Jurkat cell lines.

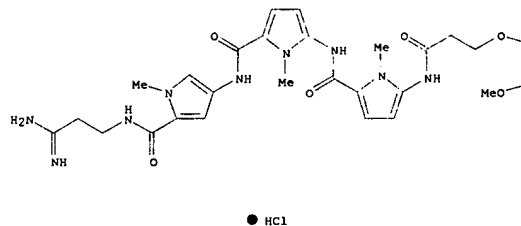
ACCESSION NUMBER: 1999:758546 HCAPLUS
 DOCUMENT NUMBER: 132:137361
 TITLE: Synthesis, in Vitro Antiproliferative Activity, and DNA-Binding Properties of Hybrid Molecules Containing Pyrrolo[2,1-c][1,4]benzodiazepine and Minor-Groove-Binding Oligopyrrole Carriers
 AUTHOR(S): Baraldi, Pier Giovanni; Balboni, Gianfranco; Cacciari, Barbara; Gulotto, Andrea; Manfredini, Stefano; Romagnoli, Romeo; Spalluto, Giampiero; Thurston, David E.; Howard, Philip W.; Bianchi, Nicoletta; Rutigliano, Cristina; Mischianti, Carlo; Gambari, Roberto
 CORPORATE SOURCE: Dipartimento di Scienze Farmaceutiche e Dipartimento di Biochimica e Biologia Molecolare, Università di Ferrara, Ferrara, 44100, Italy
 SOURCE: Journal of Medicinal Chemistry (1999), 42 (25), 5131-5141
 CODEN: JMCMAH; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 132:137361
 IT 256949-69-67 256949-70-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)
 (preparation, antiproliferative activity, and DNA-binding pyrrolobenzodiazepines containing oligopyrrole carriers)
 RN 256949-69-6 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-5-[[[1-methyl-5-[[[1-oxo-3-[[[11aS]-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]propyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

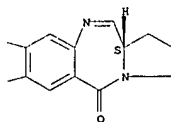
Absolute stereochemistry.

L8 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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PAGE 1-B

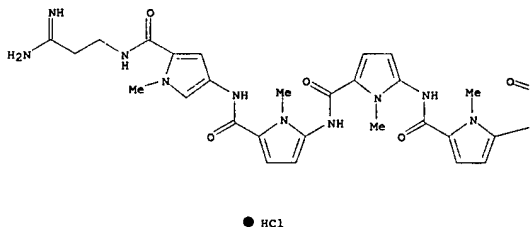


RN 256949-70-9 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-5-[[[1-methyl-5-[[[1-oxo-3-[[[11aS]-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]propyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

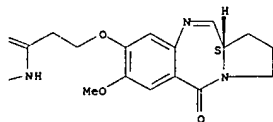
Absolute stereochemistry.

L8 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A



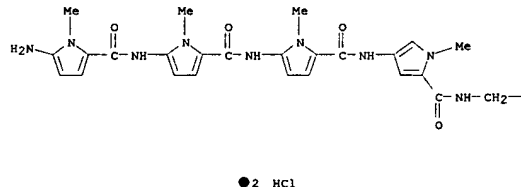
PAGE 1-B



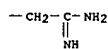
IT 256949-62-9
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent)
 (preparation, antiproliferative activity, and DNA-binding pyrrolobenzodiazepines containing oligopyrrole carriers)
 RN 256949-62-9 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-5-[[[1-methyl-5-[[[1-oxo-3-[[[11aS]-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]propyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

L8 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

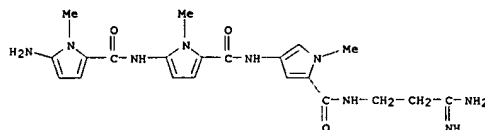
PAGE 1-A



PAGE 1-B



IT 256949-61-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation, antiproliferative activity, and DNA-binding pyrrolobenzodiazepines containing oligopyrrole carriers)
 RN 256949-61-8 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-5-[[[1-methyl-5-[[[1-oxo-3-[[[11aS]-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]propyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

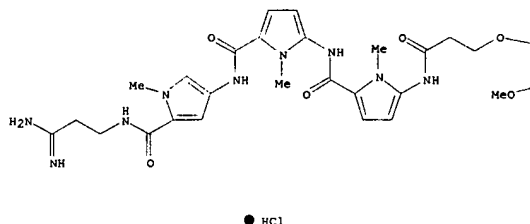


IT 256949-65-2P 256949-66-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation, antiproliferative activity, and DNA-binding pyrrolobenzodiazepines containing oligopyrrole carriers)

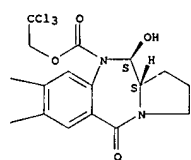
L8 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 256949-65-2 HCAPLUS
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 8-[3-[[[5-[[[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-
 pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-
 methyl-1H-pyrrol-2-yl]amino]-3-oxopropoxy]-2,3,11,11a-tetrahydro-11-
 hydroxy-7-methoxy-5-oxo-, 2,2,2-trichloroethyl ester, monohydrochloride,
 (11S,11aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

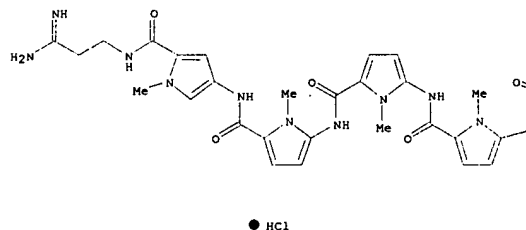


RN 256949-66-3 HCAPLUS
 CN 1H-Pyrrolo[2,1-c][1,4]benzodiazepine-10(5H)-carboxylic acid,
 8-[3-[[[5-[[[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-
 1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-
 methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]-3-
 oxopropoxy]-2,3,11,11a-tetrahydro-11-hydroxy-7-methoxy-5-oxo-,
 2,2,2-trichloroethyl ester, monohydrochloride, (11S,11aS)- (9CI) (CA
 INDEX NAME)

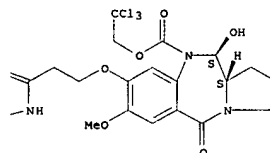
Absolute stereochemistry.

L8 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B



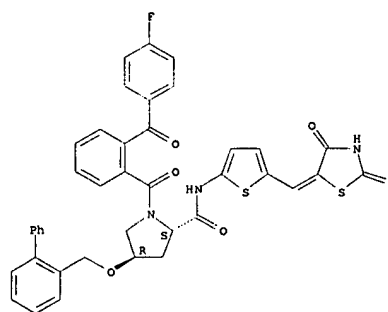
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 15 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 26 Aug 1998
 GI

L8 ANSWER 15 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 AU 9855775 A1 19980825 AU 1998-55775 19980127
 AU 719210 B2 20000504
 BR 9807132 A 20000125 BR 1998-7132 19980127
 EP 976748 A1 20000202 EP 1998-900741 19980127
 EP 976748 B1 20031203
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 TR 9901847 T2 20000621 TR 1999-9901847 19980127
 RU 2198174 C2 20030210 RU 1999-119481 19980127
 AT 255579 E 20031215 AT 1998-900741 19980127
 PT 976748 T 20040331 PT 1998-900741 19980127
 ES 210710 T3 20040701 ES 1998-900741 19980127
 US 6147100 A 20001114 US 1999-355008 19990722
 NO 9903706 A 19990930 NO 1999-3706 19990729
 NO 313881 B1 20021216
 MX 9907061 A 20000228 MX 1999-7061 19990729
 PRIORITY APPLN. INFO.: JP 1997-17962 A 19970131
 WO 1998-JP307 W 19980127

OTHER SOURCE(S): MARPAT 129:161558
 IT 211297-31-3P 211297-34-6P 211298-04-3P
 211298-06-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of thiazolidinedione derivs. as phospholipase A2 inhibitors)
 RN 211297-31-3 HCAPLUS
 CN 2-Pyrrolidinedicarboxamide, 4-((1,1'-biphenyl)-2-ylmethoxy)-1-[2-(4-
 fluorobenzoyl)benzoyl]-N-[5-[(4-oxo-2-thioxo-5-thiazolidinylidene)methyl]-
 2-thienyl]-, (2S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.

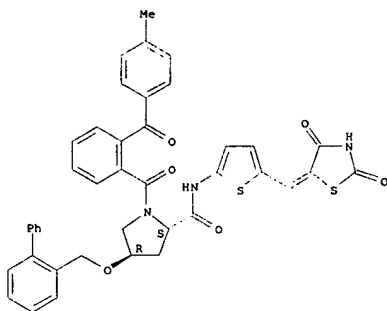


RN 211297-34-6 HCAPLUS
 CN 2-Pyrrolidinedicarboxamide, 4-((1,1'-biphenyl)-2-ylmethoxy)-N-[5-[(2,4-dioxo-
 5-thiazolidinylidene)methyl]-2-thienyl]-1-[2-(4-methylbenzoyl)benzoyl]-,
 (2S,4R)- (9CI) (CA INDEX NAME)

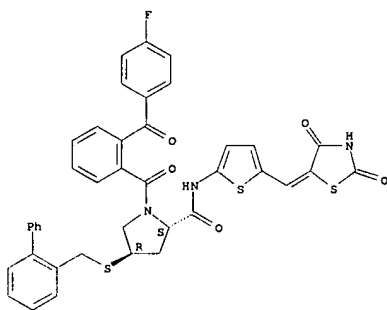
AB The title compds., e.g. I [R1 represents optionally substituted aralkyl,
 etc.; Z represents optionally alkylated nitrogen, etc.; X1 represents
 CH2NHCO, etc.; X2 represents phenylene, etc.; X3 represents a single bond,
 etc.; Y2 represents optionally substituted aryl, etc.; and B represents
 oxygen, etc.], are prepared In an in vitro test for cPLA2 inhibition, the
 title compound II showed IC50 of 0.17 μM.

ACCESSION NUMBER: 1998:543071 HCAPLUS
 DOCUMENT NUMBER: 129:161558
 TITLE: Preparation and formulation of thiazolidinedione
 derivatives as phospholipase A2 inhibitors
 INVENTOR(S): Seno, Kaoru; Ohtani, Mitsunori; Watanabe, Fumihiko
 PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 178 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
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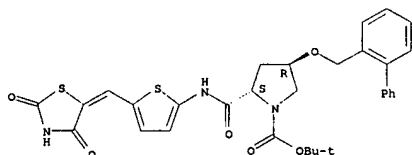
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9833797	A1	19980806	WO 1998-JP307	19980127
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TW 577875	B	20040301	TW 1998-87101064	19980126
CA 2277947	AA	19980806	CA 1998-2277947	19980127
CA 2277947	C	20040921		



Absolute stereochemistry.
Double bond geometry unknown.



Absolute stereochemistry.
Double bond geometry unknown.

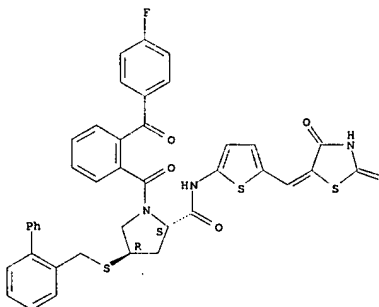


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L8 ANSWER 15 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

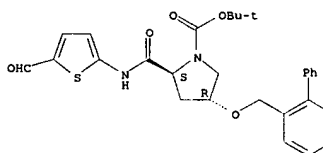
RN 211298-06-5 HCAPLUS
CN 2-Pyrrolidinecarboxamide, 4-[[[1,1'-biphenyl]-2-ylmethyl]thio]-1-[2-(4-fluorobenzoyl)benzoyl]-N-[5-[4-oxo-2-thioxo-5-thiazolidinylidene)methyl]-2-thienyl]-, (2S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



IT	211298-68-9P 211298-69-0P
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant)
	(Preparation of thiazolidinedione derivs. as phospholipase A2 inhibitors)
RN	211298-68-9 HCAPLUS
CN	1-Pyrrolidinecarboxylic acid, 4-([(1,1'-biphenyl)-2-ylmethoxy]-2-[(5-formyl-2-thienyl)amino]carbonyl]-, 1,1-dimethylethyl ester, (2S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 211298-69-0 HCAPLUS

1.8 ANSWER 16 OF 41 HCARLIJS COPYRIGHT 2005 ACS OR STN

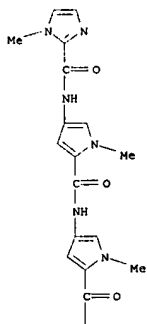
ED Entered STN: 20 Aug 1997

AB A new upper limit of binding site size is defined for the hairpin polyamide-DNA motif. Ten-ring hairpin polyamides containing pyrrole (Py) and imidazole (Im) amino acids were designed for recognition of seven base pair (bp) sequences in the minor groove of DNA. The DNA binding properties of two polyamides, ImPyPyPyPyPy-y-ImPyPyPyPy-Bp, and ImPyPyPyPy-y-ImPyPyPyPy-Bp were analyzed by footprinting and affinity cleavage. The segment containing the major and minor sites 5'-TGTTACCA-3' and 5'-TGGACCA-3'. Quant. footprint titrations demonstrate that ImPyPyPyPy-y-ImPyPyPyPy-Bp binds the 7-bp match sequence 5'-TGTACCA-3' with an equilibrium association constant (K_a) of $K_a = 1.2 \times 10^{10}$ M⁻¹ and 18-fold specificity vs. the single base pair mismatch sequence 5'-TGGACCA-3'. ImPyPyPyPy-y-ImPyPyPyPy-Bp differs from ImPyPyPyPy-y-ImPyPyPyPy-Bp by a single amino acid substitution and binds the 5'-TGTACCA-3' with $K_a = 3.6 \times 10^9$ M⁻¹ and 300-fold specificity vs. its corresponding single base pair mismatch sequence 5'-TGTACCA-3'. Ten-ring hairpin polyamides have binding affinities similar to those of eight-ring hairpin polyamides. These results indicate that the affinity of hairpin binding ceases to increase as the length of the polyamide subunits increases beyond four rings, analogous to the behavior of unlinked subunits. Therefore, recognition of seven base pairs by a ten-ring hairpin polyamide most likely represents an upper limit to the effective targetable site size of the hairpin polyamide-DNA motif.

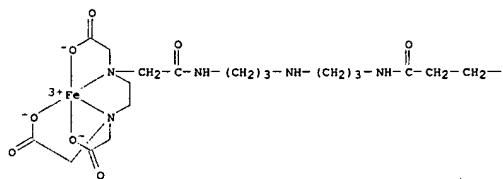
ACCESSION NUMBER:	1997:528757 HCAPLUS
DOCUMENT NUMBER:	127:216506
TITLE:	Recognition of Seven Base Pair Sequences in the Minor Groove of DNA by Ten-Ring Pyrrole-Imidazole Polyamide Hairpins
AUTHOR(S):	Turner, James M.; Baird, Eldon E.; Dervan, Peter B.
CORPORATE SOURCE:	Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA, 91123, USA
SOURCE:	Journal of the American Chemical Society (1997), 119(23), 7636-7644
	CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER:	American Chemical Society
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT 194857-41-5P 194857-42-6P
 RL: BPR (Biological process); BSU (Biological study, unclassified); CAT
 (Catalyst use); SPN (Synthetic preparation); BIOL (Biological study); PREP
 (Preparation); PROC (Process); USES (Uses)
 (Separation and recognition of seven base pair sequences in the minor
 groove of DNA by ten-tyr pyrrole-imidazole polyamide hairpins)
 RN 194857-41-5 HCAPLUS
 CN Iron, [2,3,4,5-tetrahydro-1-methyl-4-[[[1-methyl-4-[[[1-methyl-4-[[[1-
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 methyl-4-[[[1-methyl-4-[[[1-imidazo-2-yl]carboxyl]amino]-1H-pyrrol-2-
 yl]carboxyl]amino]-1H-pyrrol-2-yl]carboxyl]amino]-1H-pyrrol-2-
 yl]carboxyl]amino]-1H-pyrrol-2-yl]carboxyl]amino]-1-oxobutyl]amino]-1H-
 imidazol-2-yl]carboxyl]amino]-1H-pyrrol-2-yl]carboxyl]amino]-1H-pyrrol-2-
 yl]carboxyl]amino]-1H-pyrrol-2-yl]carboxyl]amino]prolyl-N-[15-(carboxy-
 -O-11,14-bis(carboxy- α -oxo)imino]-1H-pyrrol-5-oxo-4,8,11,14-
 tetraazapentacyclo[3.3.1.0^{1,2}.0^{2,3}.0^{3,4}.0^{4,5}]-non-1-yl]- β -alaninamidato[3-]-
 (SC1)] (CA, UNDEK-NAYE).

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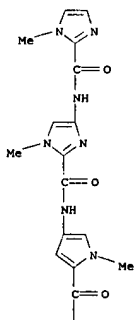


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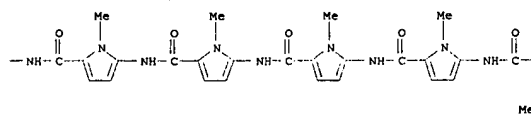
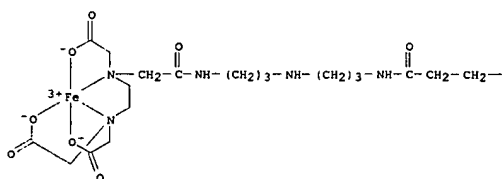


L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

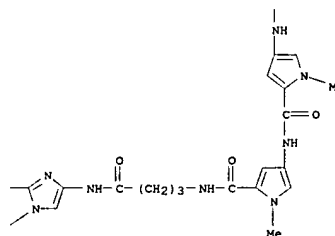
PAGE 2-B



PAGE 2-A



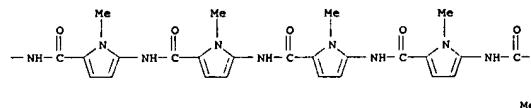
PAGE 2-C



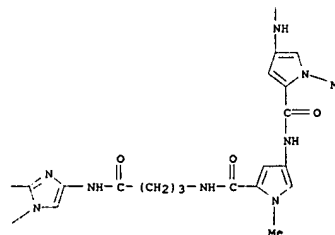
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imidazol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrol-2-
yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]prolyl-N-[5-(carboxy-
methyl)-1,14-bis(2-oxo-1,2,3,4-tetrahydro-1H-imidazol-5-oxo-4,8,11,14-
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($C1).  {CA INDEX NAME}

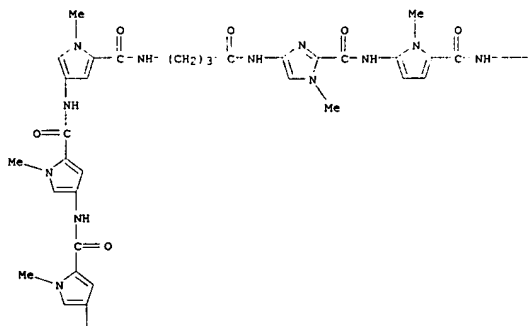
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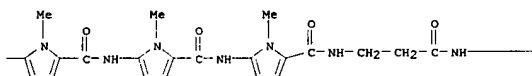
PAGE 2-C

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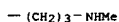
PAGE 1-A



PAGE 1-B

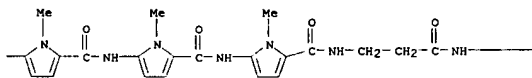


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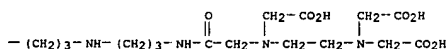


L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

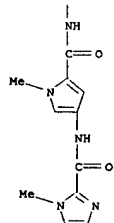
PAGE 1-B



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PAGE 2-A

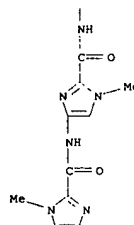


RN 194857-50-6 HCAPLUS

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LB ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

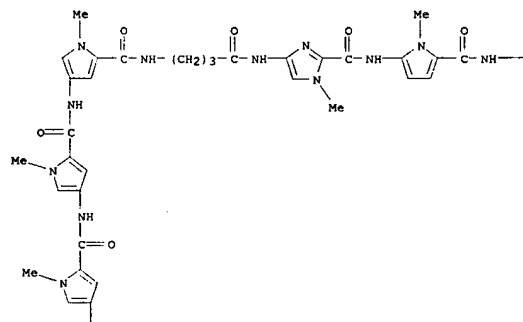
PAGE 2-A



RN 194857-49-3 HCAPLUS

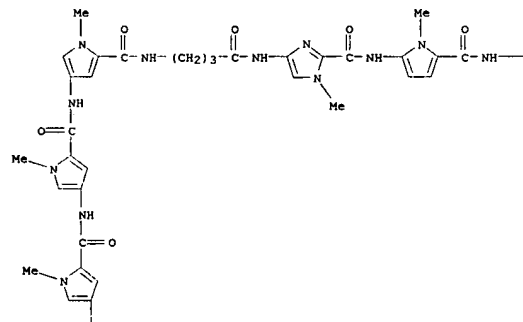
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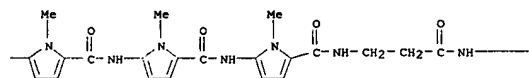


L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

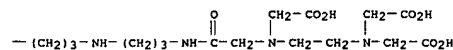
PAGE 1-A



PAGE 1-B

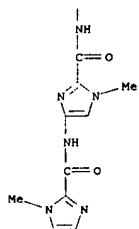


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L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

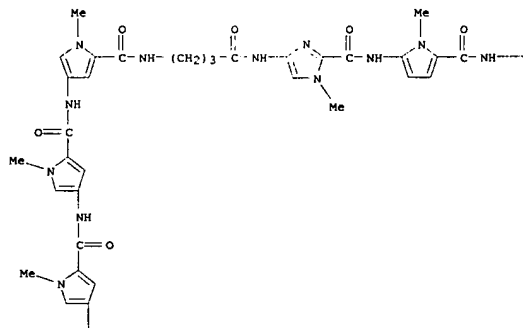
PAGE 2-A



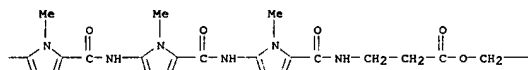
IT 194857-46-ODP, conjugates with Pam resin 194857-47-1P
 194857-48-2P
 RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of and recognition of seven base pair sequences in the minor
 groove of DNA by ten-ring pyrrole-imidazole polyamide hairpins)
 RN 194857-46-0 HCAPLUS
 CN B-Alanine, 2,3,4,5-tetradehydro-1-methyl-4-[[[1-methyl-4-[[[1-methyl-
 4-[[[1-methyl-4-[[[1-methyl-4-[[[4-[[[1-methyl-4-[[[1-methyl-4-[[[1-methyl-
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L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

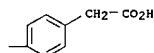
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PAGE 1-B

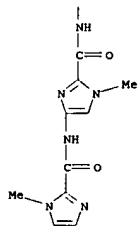


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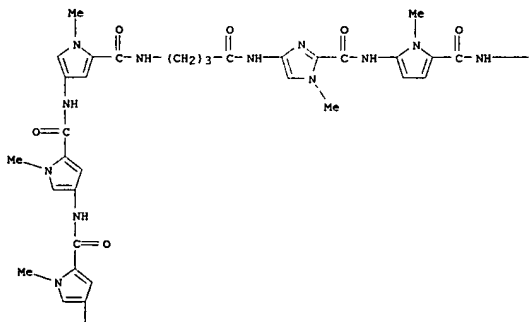
L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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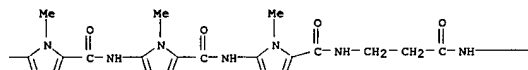
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 yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrol-2-
 yl]carbonyl]amino]-1-oxobutyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

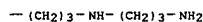


L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

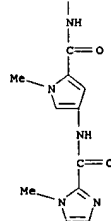
PAGE 1-B



PAGE 1-C



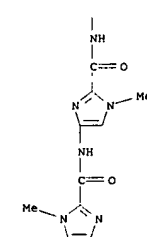
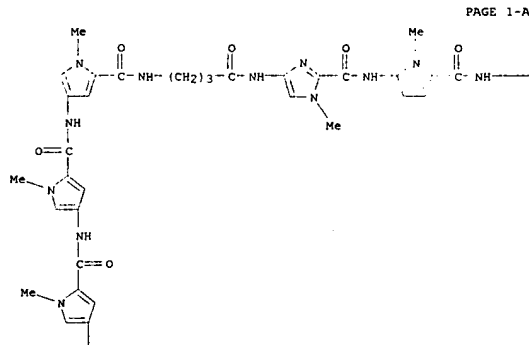
PAGE 2-A



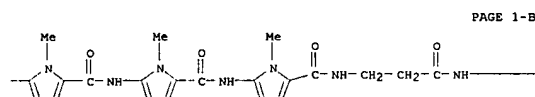
RN 194857-48-2 HCAPLUS
 CN 1H-Imidazole-2-carboxamide, N-[5-[[[5-[[[5-[[[4-[[2-[[[5-[[[5-[[[5-[[[5-
 [[[3-[[3-[[3-[[3-aminopropyl]amino]propyl]amino]-3-oxopropyl]amino]carbonyl]-1-
 methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-
 yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-
 pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]amino]-4-
 oxobutyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-
 1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[1-
 methyl-1H-imidazol-2-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)

L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L8 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



PAGE 1-C

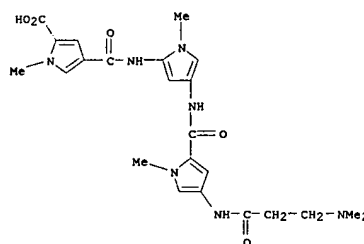
— (CH₂)₃—NH— (CH₂)₃—NH₂

L8 ANSWER 17 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 27 Apr 1996
GI

L8 ANSWER 17 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
JP 11500427 T2 19990112 JP 1996-523576 19960131
AT 228837 E 20021215 AT 1996-906176 19960131
PRIORITY APPLN. INFO.: US 1995-381355 A 19950131
WO 1996-US727 W 19960131

OTHER SOURCE(S): MARPAT 125:11480
IT 177177-56-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclopropylpyrroloindole-oligopeptide anticancer agents)

RN 177177-56-9 HCAPLUS
CN 1H-Pyrrole-2-carboxylic acid, 4-[[[4-[[[4-[[3-(dimethylamino)-1-oxopropyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl- (9CI) (CA INDEX NAME)



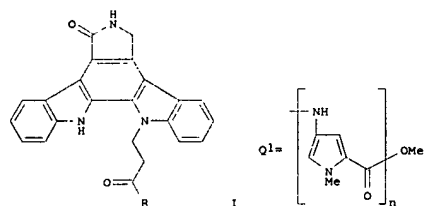
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention is directed to novel cyclopropylpyrroloindole-oligopeptide compds. which are useful as anticancer agents. The novel cyclopropylpyrroloindole-oligopeptide compds. have the following general structure: I wherein, Het1 and Het2 are individually selected from the group consisting of pyrrole, imidazole, N-alkylimidazole, N-alkoxymethylimidazole, thiophene, thiophene, furan, thiazole, oxazole, N-alkylpyrrole, N-alkoxymethylpyrrole and pyrazole, R is selected from the group consisting of a valence bond; a divalent C1-C6 alkyl; a divalent C2-C6 alkenyl; a divalent C2-C6 alkynyl; a divalent cycloalkane of formula CpH_{2p-2} wherein p is 3 to 7; and an ortho, meta or para linked aromatic group, A is selected from the group consisting of a C1-C6 alkyl group; an amidine or derivative thereof; a guanidine; a secondary, tertiary or quaternary ammonium salt; and a sulfonium salt, n is 0 to 3, and m is 0 to 3, wherein when n=0, m is 1-3. Thus, e.g., deprotection of 5-benzoyloxy-3-tert-butylloxycarbonyl-1-chloromethyl-8-methyl-1,2-dihydro-3H-pyrrole[3,2-e]indole (III) followed by coupling with 4-(4-butyramido-N-methyl-2-pyrrolicarboxyamido)-N-methyl-2-pyrrolicarboxylic acid and ring closure afforded (E)-1,2,8,8a-tetrahydro-7-methyl-2-[4-(4-butyramido-N-methyl-2-pyrrolicarboxyamido)-N-methyl-2-pyrrolicarboxyl]cyclopropa[c]pyrrolo[3,2-e]indole-4-(5H)-one [(E)-III] which exhibited cytotoxicity of TD50 = 9.50 ± 10-10 µg/mL for KB human nasopharyngeal tumor cells (TD50 = 1 ± 10-6 µg/mL for CC-1065). A detailed anal. of the frequency of occurrence of bases flanking the prominent DNA alkylation sites for III is given and compared with CC-1065, providing evidence of the main cellular event that gives rise to the expression of anticancer properties of the new drugs and how they differ in detail from CC-1065.

ACCESSION NUMBER: 1996:248963 HCAPLUS
DOCUMENT NUMBER: 125:11480
TITLE: Cyclopropylpyrroloindole-oligopeptide anticancer agents
INVENTOR(S): Lowm, J. William; Wang, Yuqiang; Luo, Weide
PATENT ASSIGNEE(S): Synphar Laboratories, Inc., Can.
SOURCE: U.S., 17 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5502068	A	19960326	US 1995-381355	19950131
CA 2210093	AA	19960808	CA 1996-2210093	19960131
WO 9623497	A1	19960808	WO 1996-US727	19960131
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, ML, MR, NE				
AU 9649643	A1	19960821	AU 1996-49643	19960131
AU 698001	B2	19981022		
EP 800390	A1	19971015	EP 1996-906176	19960131
EP 800390	B1	20021204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				

L8 ANSWER 18 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 23 Dec 1995
GI



AB Novel aminoalkyl substituted indolocarbazoles I (R = Q1 (n = 1, 2, 3), HN(CH₂)₃NMe₂, etc.) were prepared from staurosporine aglycon and characterized with respect to inhibition of protein kinases C and A. In both series, potent and selective PKC inhibitors could be identified. Structure activity relationships are discussed.

ACCESSION NUMBER: 1995:1002143 HCAPLUS

DOCUMENT NUMBER: 124:175641

TITLE: Novel substituted indolocarbazoles as potent and selective inhibitors of protein kinase C
Xie, Guojian; Nagata, Hiroyuki; Tamaoki, Tatsuya; Lowm, J. William

CORPORATE SOURCE: Dep. Chem., Univ. Alberta, Alberta, T6G 2G2, Can.
SOURCE: Bioorganic & Medicinal Chemistry Letters (1995), 5(23), 2841-4

CODEN: BMCL88; ISSN: 0960-894X

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 173917-98-1P 173917-99-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

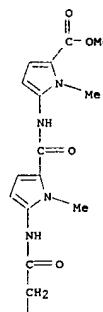
(preparation and protein kinase inhibitory activity of indolocarbazoles)

RN 173917-98-1 HCAPLUS

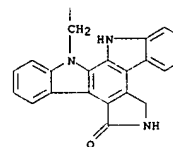
CN 1H-pyrrole-2-carboxylic acid, 1-methyl-5-[[[1-methyl-5-[[[1-oxo-3-(5,6,7,13-tetrahydro-7-oxo-12H-indolo[2,3-a]pyrrolo[3,4-c]carbazol-12-yl]propyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 18 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A



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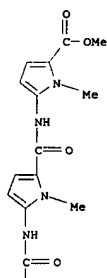


RN 173917-99-2 HCAPLUS

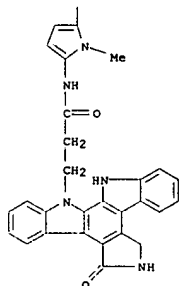
CN 1H-Pyrrole-2-carboxylic acid, 1-methyl-5-[[[1-methyl-5-[[[1-methyl-5-[[[1-oxo-3-(5,6,7,13-tetrahydro-7-oxo-12H-indolo[2,3-a]pyrrolo[3,4-c]carbazol-12-yl]propyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 18 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



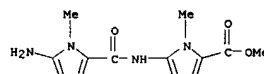
IT 173917-95-8 173917-96-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation and protein kinase inhibitory activity of indolocarbazoles)

RN 173917-95-8 HCAPLUS

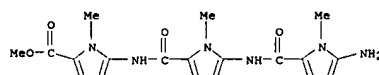
CN 1H-Pyrrole-2-carboxylic acid, 5-[[[5-[[[5-amino-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-, methyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 18 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

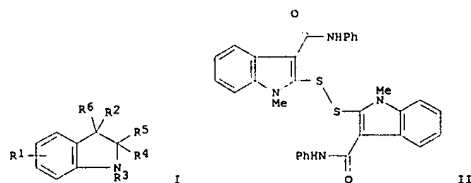


RN 173917-96-9 HCAPLUS

CN 1H-Pyrrole-2-carboxylic acid, 5-[[[5-[[[5-amino-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-, methyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 19 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 14 Dec 1995
 GI



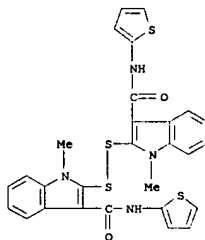
AB Title compds. [I: R1 = H, halo, alkyl, alkoxy, etc.; R2 = (acyl)alkyl, acyl, CH:CHCO₂H, etc.; R3 = H, alkyl, CH₂Ph; R4 = SH, SnR, SeH, SenR, etc.; R = H, alkyl, (hetero)aryl, I in which R4 = bond, etc.; R4R5 = S, Se; R5R6 = bond; R6 = H; n = 1-3] were prepared 2Hus, 1-methyl-2-indolinone was treated with P2S₅ and the product condensed with PhNCO to give, after oxidation, title compound II which had IC₅₀ of 3-4 μM against growth factor mediated mitogenesis in vitro.

ACCESSION NUMBER: 1995:982654 HCAPLUS
 DOCUMENT NUMBER: 124:175826
 TITLE: Preparation of 2-indolyl disulfides and analogs as protein tyrosine kinase inhibitors and antitumor agents
 INVENTOR(S): Dobrusin, Ellen M.; Showalter, Howard D. H.; Denny, William A.; Palmer, Brian D.; Rewcastle, Gordon W.; Tercel, Moana; Thompson, Andrew M.
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: U.S., 53 pp. Cont.-in-part of U.S. Ser. No. 926, 015, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5464861	A	19951107	US 1993-94792	19930809
HU 71553	A2	19951228	HU 1995-341	19930802
CZ 283965	B6	19980715	CZ 1995-288	19930802
NZ 255194	A	20000128	NZ 1993-255194	19930802
US 5556874	A	19960917	US 1995-438616	19950510
PRIORITY APPL. INFO.:			US 1992-926015	B2 19920806
			US 1993-94792	A3 19930809

OTHER SOURCE(S): MARPAT 124:175826
 IT 156136-37-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological

L8 ANSWER 19 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 2-indolyl disulfides and analogs as protein tyrosine kinase inhibitors and antitumor agents)
 RN 156136-37-7 HCAPLUS
 CN 1H-Indole-3-carboxamide, 2,2'-dithiobis[1-methyl-N-2-thienyl- (9CI) (CA INDEX NAME)



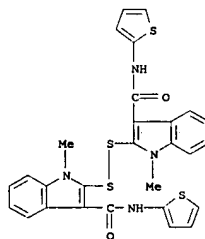
L8 ANSWER 20 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 10 Jan 1995

AB A series of 3-substituted 2,2'-dithiobis(1H-indoles) were synthesized and evaluated for their ability to inhibit the tyrosine kinase activity of both the epidermal growth factor receptor (EGFR) and the nonreceptor pp60v-src tyrosine kinase, to extend the available structure-activity relationships for this series. The majority of the compds. were prepared either by reaction of 2-chloro-1-methylindole-3-carbonyl chloride with amines, followed by thiomethylation, demethylation, and oxidative dimerization, or by reaction of isocyanates with the anion of 1-methyl-2-indolinethione followed by dimerization. Overall, inhibitory activity is retained by analogs having a wide variety of side chains. A series of 3-carboxamide analogs had moderate to good activity against isolated EGFR (IC₅₀s 1-20 μM), with monoalkyl substitution of the carboxamide being optimal. Polar side chains were generally less effective than lipophilic ones, with benzyl being particularly effective. However, N-H-disubstitution was the most effective pattern for inhibition of pp60v-src. A variety of substituted N-phenylcarboxamides had lower activity against EGFR than the parent derivative, and a N-thienylcarboxamide also had low activity. A series of 3-ketones, including Me, Ph, and furyl derivs., showed moderate activity against the pp60v-src kinase, but were less effective against EGFR. The mechanism of inhibition of both kinases by these drugs was shown to be noncompetitive with respect to both ATP and peptide substrate. Selected compds. inhibited the growth of Swiss 3T3 cells with IC₅₀s in the low micromolar range and inhibited bFGF-mediated intracellular tyrosine phosphorylation in the same cell line. Thiol inhibits the effects of the compds., suggesting that one possible mechanism of inhibition is thiol-disulfide exchange with thiol-containing residues in the catalytic sites. Crystal structures of two representative compds. show a folded, V-shaped structure, with the disulfide bridge exposed, consistent with this hypothesis.

ACCESSION NUMBER: 1995:283548 HCAPLUS
 DOCUMENT NUMBER: 123:248
 TITLE: Tyrosine Kinase Inhibitors. 4. Structure-Activity Relationships among N- and 3-Substituted 2,2'-Dithiobis(1H-indoles) for in vitro Inhibition of Receptor and Nonreceptor Protein Tyrosine Kinases
 AUTHOR(S): Palmer, Brian D.; Rewcastle, Gordon W.; Thompson, Andrew M.; Boyd, Maruta; Showalter, H. D. Hollis; Sercel, Anthony D.; Fry, David W.; Kraker, Alan J.; Denny, William A.
 CORPORATE SOURCE: School of Medicine, University of Auckland, Auckland, 92019, N. Z.
 SOURCE: Journal of Medicinal Chemistry (1995), 38(1), 58-67
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 156136-37-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (structure-activity relationships among dithiobisindoles for inhibition of receptor and nonreceptor protein tyrosine kinases)
 RN 156136-37-7 HCAPLUS
 CN 1H-Indole-3-carboxamide, 2,2'-dithiobis[1-methyl-N-2-thienyl- (9CI) (CA INDEX NAME)

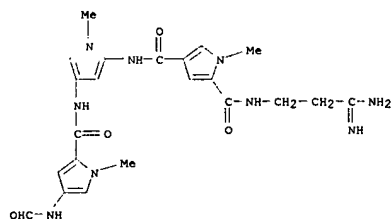
L8 ANSWER 20 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



LB ANSWER 21 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 17 Nov 1994
 AB In the present study, the authors have investigated the effect of unprecedented chemical modifications introduced in the distamycin mol., with the aim of assessing their ability to interfere with sequence-specific DNA-protein interactions in vitro. By using an electrophoretic mobility shift assay, the authors have been able to identify novel distamycin analogs with improved displacing abilities on the binding of octamer nuclear factors to their target DNA sequence. While variations in the number of pyrrole rings and/or reversion of an internal amide bond result in distamycin-like compds. with identical or very similar properties, the reversion of the formamido into a carboxyamido group or its replacement with the charged formimidoyl moiety significantly improves the ability of the resulting novel distamycin derivs. to compete with OCT-1 (octamer 1 nuclear factor) for its target DNA sequence. Tissue-specific octamer-dependent in vitro transcription is similarly affected by these chemical modifications, suggesting that the ability of distamycins to bind octamer sequences has a direct influence on the functional state of octamer-containing promoters. These data represent an initial, successful attempt to rationalize the design of DNA binding drugs, using distamycins as a model.

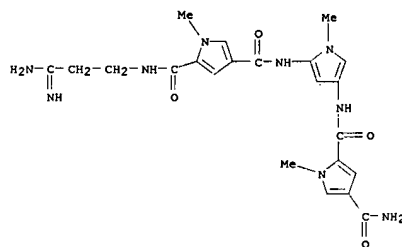
ACCESSION NUMBER: 1995:199500 HCAPLUS
 DOCUMENT NUMBER: 122:45671
 TITLE: Distamycin analogs with improved sequence-specific DNA binding activities
 AUTHOR(S): Ciucci, Alessandra; Periotto, Giordana; Mischianti, Carlo; Gambari, Roberto; Animatei, Fabio; Lombardi, Paolo; Natali, Pier Giorgio; Arcamone, Federico; Giacomini, Patrizio
 CORPORATE SOURCE: Menarini Ricerche Sud, Italy
 SOURCE: Biochemical Pharmacology (1994), 48(8), 1583-91
 CODEN: BCPAC6; ISSN: 0006-2952
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 159565-63-6, MEN 10398 159565-64-7, MEN 10557
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (distamycin analogs with improved sequence-specific DNA binding activities)
 RN 159565-63-6 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[4-(formylamino)-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

LB ANSWER 21 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



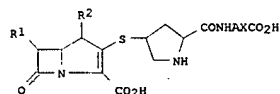
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RN 159565-64-7 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N4-[4-[[[4-(aminocarbonyl)-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-N2-(3-amino-3-iminopropyl)-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

LB ANSWER 22 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 10 Dec 1994
 GI



I

AB Title compds. I (A = (substituted) Ph or thienyl; R1 = MeCH(OH), MeCHF, HOCH2; R2 = H, Cl-4 alkyl; R3, R4 = H, halo, NC, Cl-4 alkyl, O2H, HO, HO2C, Cl-4 alkoxy, F3C, etc.; X = Cl-6 alkanediyol interrupted by O, S(O)x wherein x = 0-2, R5NCO wherein R5 = H, Cl-4 alkyl) or a salt or in vivo hydrolysable ester, are prepared To allyl (1R,5S,6S,8R,2'S,4'S)-2-(1-allyloxycarbonyl-2-(3(E-allyloxycarbonyl-1-ethenyl)phenylcarbamoyl)pyrrolidin-4-ylthio)-6-(1-hydroxyethyl)-1-methylcarbamem-3-carboxylate (preparation given) and Meldrum's acid in DMF and THF was added (Ph3P)4Pd followed by Na 2-ethylhexanoate to give the title compound (1R,5S,6S,8R,2'S,4'S)-2-(2-(3(E-2-carboxy-1-ethenyl)phenylcarbamoyl)pyrrolidin-4-ylthio)-6-(1-hydroxyethyl)-1-methylcarbamem-3-carboxylic acid, di-Na salt (II). In vitro against S. aureus the min. inhibitory concentration of II was 0.13 µg/mL vs. 2.0 µg/mL of ceftriaxone. Pharmaceutical formulations comprising I are given.

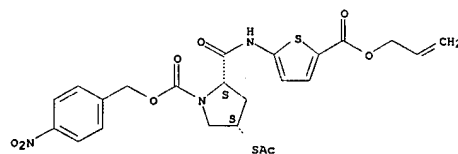
ACCESSION NUMBER: 1994:680467 HCAPLUS
 DOCUMENT NUMBER: 121:280467
 TITLE: Preparation of antibiotic carbapenem compounds
 INVENTOR(S): Betts, Michael John; Davies, Gareth Morise; Jung, Frederic Henri
 PATENT ASSIGNEE(S): Zeneca Ltd., UK; Zeneca Pharma S.A.
 SOURCE: Eur. Pat. Appl., 27 pp.
 CODEN: EPXKDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 590885	A1	19940406	EP 1993-307551	19930923
EP 590885	B1	20000315		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2106141	AA	19940329	CA 1993-2106141	19930914
US 5527791	A	19960618	US 1993-123998	19930921
AT 190615	E	20000415	AT 1993-307551	19930923
ES 2144446	T3	20000616	ES 1993-307551	19930923
JP 06211860	A2	19940802	JP 1993-241519	19930928
PRIORITY APPL. INFO.:			EP 1992-402648	A 19920928

OTHER SOURCE(S): MARPAT 121:280467
 IT 154308-86-8P 154308-87-9P 158743-30-7P
 158743-31-8P 158743-32-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of carbapenem antibiotics)
 RN 154308-86-8 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

LB ANSWER 22 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

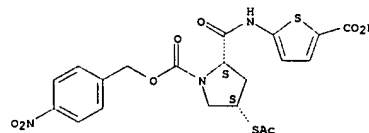
Absolute stereochemistry.



SAC

RN 154308-87-9 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

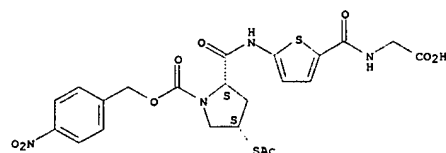
Absolute stereochemistry.



SAC

RN 158743-30-7 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[5-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

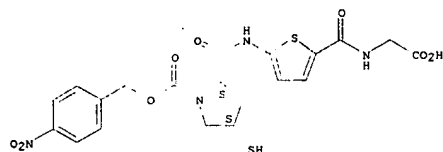


SAC

RN 158743-31-8 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[5-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

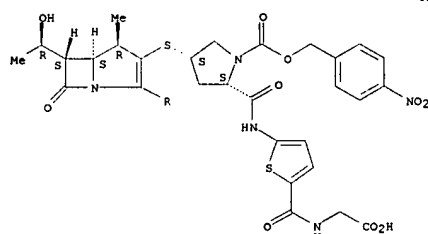
Absolute stereochemistry.

L8 ANSWER 22 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

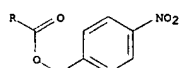


RN 158743-32-9 HCAPLUS
 CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[[[5-[[[carboxymethyl]amino]carbonyl]-2-thienyl]amino]carbonyl]-1-[[[4-nitrophenyl]methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, 2-[[4-nitrophenyl]methyl] ester, [4R-[3(3S*,5S*),4α,5β,6R(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



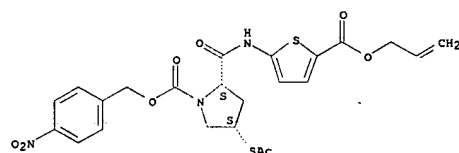
PAGE 1-A



PAGE 2-A

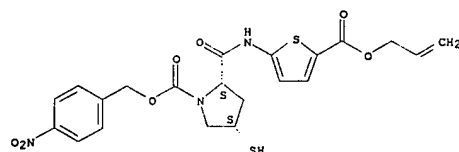
L8 ANSWER 23 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

Absolute stereochemistry.



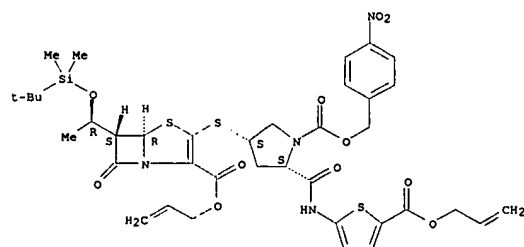
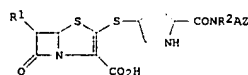
RN 155481-44-0 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-mercapto-2-[[[5-[[[2-propenyloxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 156631-45-7 HCAPLUS
 CN 4-Thia-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[[1-[[[1,1-dimethylethyl]dimethylsilyl]oxy]ethyl]-3-[[[1-[[[4-nitrophenyl]methoxy]carbonyl]-5-[[[5-[[[2-propenyloxy]carbonyl]-2-thienyl]amino]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-, 2-propenyl ester, [5R-[3(3S*,5S*),5α,6α(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L8 ANSWER 23 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 03 Sep 1994
 GI

AB Title compds. I (R1 = MeCHMe, MeCHF, HOCH2; R2 = H, C1-4 alkyl; Z = HO2C, HO3S, tetrazol-5-yl, C1-4alkyl-SO2NHCO; A = (substituted)Ph or thienyl) a pharmaceutically acceptable salt or in vivo hydrolyzable ester thereof, are prepared 2-Thiophenecarboxylic acid was nitrated to give the 4-nitro derivative, reduced to the 4-amino derivative converted to the (2S,4S)-1-(4-nitrobenzylcarbonyl)-2-(2-carboxy-4-thienylcarbonyl)pyrrolidin-4-ylthioacetate which in 4 steps was converted to (5R,6S,8R,2'S,4'S)-1 (R1 = MeCHOH, R2 = H, A = 4-thienyl, Z = 2-HO2C) which had a min. inhibitory concentration of 0.5 mg/mL against Enterobacter cloacae 108 vs 32 mg/L of ceftriaxone. Pharmaceutical formulations comprising I are given.

ACCESSION NUMBER: 1994:508368 HCAPLUS
 DOCUMENT NUMBER: 121:108368
 TITLE: Preparation of antibiotic pyrrolidinylthiopenem derivatives
 INVENTOR(S): Siret, Patrice Jean
 PATENT ASSIGNEE(S): Zeneca Ltd., UK; Zeneca Pharma S.A.
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

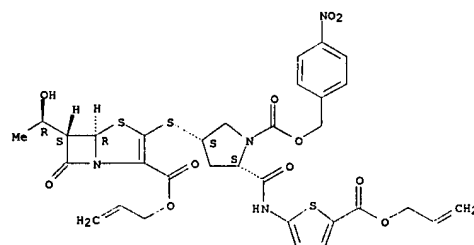
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 592167	A1	19940413	EP 1993-307843	19931001
EP 592167	B1	19991222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2106330	AA	19940408	CA 1993-2106330	19930916
AT 187968	E	20000115	AT 1993-307843	19931001
ES 2140445	T3	20000301	ES 1993-307843	19931001
JP 06211871	A2	19940802	JP 1993-250437	19931006
US 5538962	A	19960723	US 1993-132256	19931006
			EP 1992-402733	A 19921007

PRIORITY APPL. INFO.:
 OTHER SOURCE(S): MARPAT 121:108368
 IT 154308-86-8P 155481-44-0P 156631-45-7P
 156631-46-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (Preparation and reaction of, in preparation of antibiotics)
 RN 154308-86-8 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[[[2-propenyloxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

L8 ANSWER 23 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 156631-46-8 HCAPLUS
 CN 4-Thia-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[[1-[[[1,1-dimethylethyl]dimethylsilyl]oxy]ethyl]-3-[[[1-[[[4-nitrophenyl]methoxy]carbonyl]-5-[[[5-[[[2-propenyloxy]carbonyl]-2-thienyl]amino]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-, 2-propenyl ester, [5R-[3(3S*,5S*),5α,6α(R*)]]- (9CI) (CA INDEX NAME)

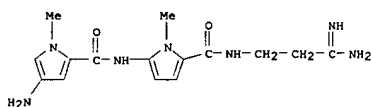
Absolute stereochemistry.



L8 ANSWER 24 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 03 Sep 1994
 AB A simple 10-membered monocyclic 3-ene-1,5-diyne has been prepared tethered to a derivative of netropsin. It is proposed that the attachment to this reactive diyne-ene to a mol. which assoc. with B-DNA in the minor groove can enhance the potency of the diyne-ene as a DNA cleavage agent. The nature of the tether appears to be very important in the magnitude of this enhancement, based on two examples reported here. With a two-carbon tether, there is a small increase in DNA cleavage compared with the parent diyne-ene. However, a four-carbon tether, based on a crotonate linkage, shows almost a 2000-fold enhancement of the parent diyne-ene. DNA binding studies using CD measurements and ethidium bromide displacement show that the relative binding constant of the diyne-ene and the two versions tethered to netropsin parallel the DNA cleavage effectiveness.

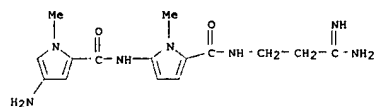
ACCESSION NUMBER: 1994:499071 HCAPLUS
 DOCUMENT NUMBER: 121:99071
 TITLE: The Effect on DNA Cleavage Potency of Tethering a Simple Cyclic Enediynes to a Netropsin Analog
 AUTHOR(S): Semmelhack, M. F.; Gallagher, J. J.; Ding, W.-d.; Krishnamurthy, G.; Babine, R.; Ellestad, G. A.
 CORPORATE SOURCE: Department of Chemistry, Princeton University, Princeton, NJ, 08544, USA
 SOURCE: Journal of Organic Chemistry (1994), 59(16), 4357-9
 CODEN: JOCEAH; ISSN: 0022-3263
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 156055-65-1
 RL: BIOL (Biological study)
 (DNA-cleaving activity of and reaction with monocyclic enediynes of, structure in relation to)
 RN 156055-65-1 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, 4-amino-N-[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)

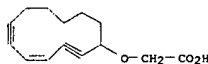


IT 156055-66-2P 156055-69-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and DNA-cleaving activity of, structure in relation to)
 RN 156055-66-2 HCAPLUS
 CN Acetic acid, (4-cyclododecene-2,6-diyn-1-yloxy)-, compd. with 4-amino-N-[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-1H-pyrrole-2-carboxamide (1:1) (9CI) (CA INDEX NAME)
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 CRN 156055-65-1
 CMF C15 H21 N7 O2

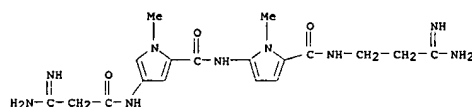
L8 ANSWER 24 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



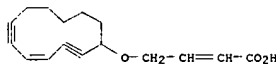
CM 2
 CRN 156055-64-0
 CMF C14 H16 O3



RN 156055-69-5 HCAPLUS
 CN 2-Butenoic acid, 4-((4-cyclododecene-2,6-diyn-1-yloxy)-, compd. with 4-[[[3-amino-3-imino-1-oxopropyl]amino]N-[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-1H-pyrrole-2-carboxamide (1:1) (9CI) (CA INDEX NAME)
 CM 1
 CRN 156055-68-4
 CMF C18 H25 N9 O3

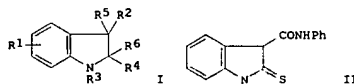


CM 2
 CRN 156055-67-3
 CMF C16 H18 O3



L8 ANSWER 24 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L8 ANSWER 25 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 20 Aug 1994
 GI



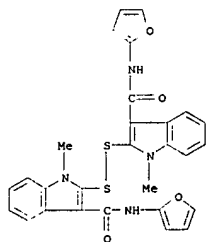
AB Title compds. (I; R1 = H, halo, OH, alkyl, alkoxy, CO2H, etc.; 1 or 2 CR1 = N; R2 = (acyl)alkyl, CH:CHCO2H, alkylcarbonyl, acyl, etc.; R3 = H, alkyl, CH2Ph; R4 = Zn, ZnX, ZnQ; R5 = H and R4R6 = S or Se; R5R6 = bond; Q = I in which R4 = Zn and R5R6 = bond; X = H, alkyl, CH2Ph, (hetero)aryl; Z = S, Se; n = 0-3) were prepared. Thus, 1-methyl-2-indolinone was treated with P2S5 and the product treated with NaH and PhNCO to give indolinethionecarboxamide II which had IC50 of 2µM against epidermal growth factor mediated mitogenesis.

ACCESSION NUMBER: 1994:483050 HCAPLUS
 DOCUMENT NUMBER: 121:83050
 TITLE: Preparation of 2-indolinethiones and related disulfides and seleno-analogs as protein tyrosine kinase inhibitors and antitumor agents
 INVENTOR(S): Dobrusin, Ellen Myra; Showalter, Howard Daniel Hollis; Denny, William Alexander; Palmer, Brian Desmond; Remcastle, Gordon William; Tercel, Moana; Thompson, Andrew Mark
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: PCT Int. Appl., 212 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

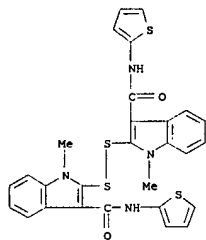
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9403427	A1	19940217	WO 1993-US7272	19930802
W: AU, CA, CZ, FI, HU, JP, KR, NO, NZ, RU, SK				
EP 654024	A1	19950524	EP 1993-918594	19930802
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
HU 71553	A2	19951228	HU 1993-341	19930802
JP 08503450	T2	19960416	JP 1993-519671	19930802
AU 672224	B2	19960926	AU 1993-47994	19930802
AU 9347994	A1	19940303		
CZ 283965	B6	19980715	CZ 1995-288	19930802
NZ 255194	A	20000128	NZ 1993-255194	19930802
RU 2155187	C2	20000827	RU 1995-108332	19930802
SK 283413	B6	20030701	SK 1995-135	19930802
PRIORITY APPLN. INFO.:			US 1992-926015	A 19920806
			WO 1993-US7272	W 19930802

OTHER SOURCE(S): MARPAT 121:83050
 IT 156136-36-6P 156136-37-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as protein tyrosine kinase inhibitor)
 RN 156136-36-6 HCAPLUS
 CN 1H-Indole-3-carboxamide, 2,2'-dithiobis[N-2-furanyl-1-methyl- (9CI) (CA INDEX NAME)

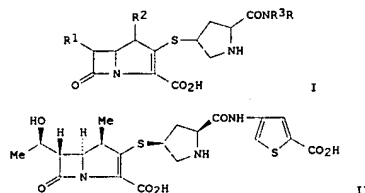
L8 ANSWER 25 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 156136-37-7 HCAPLUS
 CN 1H-indole-3-carboxamide, 2,2'-dithiobis[1-methyl-N-2-thienyl- (9CI) (CA INDEX NAME)



L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 09 Jul 1994
 GI



AB Title compds. I [R = (un)substituted carboxythienyl; R1 = CHMeOH, CHMeF, CH2OH; R2, R3 = H, alkyl] were prepared. Thus, the carbapenem II was obtained from the diphenylphosphoryloxycarbapenem and the thiol, prepared from 2-thiophenecarboxylic acid and the protected mercaptopyrrolidinecarboxylic acid in 4 steps. II had min. inhibitory concns. against Staphylococcus aureus Oxford 0.125 and Escherichia coli DCO 0.008 µg/mL.

ACCESSION NUMBER: 1994:409029 HCAPLUS
 DOCUMENT NUMBER: 121:9029
 TITLE: Carbapenem derivatives as antibiotics and intermediates thereof
 INVENTOR(S): Jung, Frederic Henri
 PATENT ASSIGNEE(S): Zeneca Ltd., UK; Zeneca Pharma S. A.
 SOURCE: PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

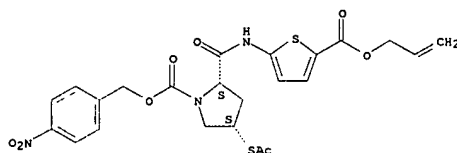
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9319070	A1	19930930	WO 1993-GB603	19930324
W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KZ, LK, LU, MG, NL, NO, PL, RO				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
ZA 9301611	A	19930927	ZA 1993-1611	19930305
IL 105135	A1	20000131	IL 1993-105135	19930323
AU 9337636	A1	19931021	AU 1993-37636	19930324
AU 662972	B2	19950921		
EP 586663	A1	19940316	EP 1993-906740	19930324
EP 586663	B1	19990929		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
HU 65713	A2	19940728	HU 1993-3304	19930324

L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

JP 06508372	T2	19940922	JP 1993-516398	19930324
JP 3313366	B2	20020812		
AT 185140	E	19991015	AT 1993-906740	19930324
ES 2136124	T3	19991116	ES 1993-906740	19930324
CA 2108356	C	20040120	CA 1993-2108356	19930324
CN 1077957	A	19931103	CN 1993-102800	19930326
CN 1036713	B	19971217		
NO 9304264	A	19931125	NO 1993-4264	19931125
FI 104075	B1	19991115	FI 1993-5245	19931125
US 5519015	A	19960521	US 1993-142459	19931126
PRIORITY APPL. INFO.:			EP 1992-400836	A 19920326
			EP 1992-402763	A 19921009
			WO 1993-GB603	A 19930324

OTHER SOURCE(S): MARPAT 121:9029
 IT 154308-86-0P 155481-34-0P 155481-36-0P
 155481-37-1P 155481-38-2P 155481-40-6P
 155481-41-7P 155481-42-8P 155481-43-9P
 155481-44-0P 155481-45-1P 155481-51-9P
 155481-52-0P 155481-53-1P 155481-48-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of
 carboxythienylcarbapenempyrrolidin
 ylthiocarbapenemcarboxylates)
 RN 154308-86-8 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[4-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

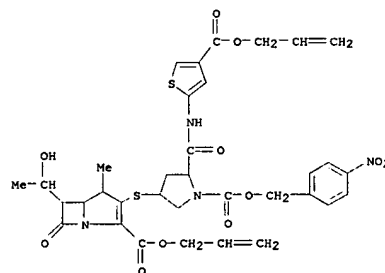
Absolute stereochemistry.



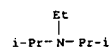
RN 155481-34-8 HCAPLUS
 CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-(1-hydroxyethyl)-4-methyl-3-[[[4-[(4-nitrophenyl)methoxy]carbonyl]-5-[[[4-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-2-propenyl ester, (4R-[3(3S',5S'),4a,5b,6b(R')])-, compd. with N-ethyl-N-(1-methylethyl)-2-propanamine (1:1) (9CI) (CA INDEX NAME)

CM 1
 CRN 155481-33-7
 CMF C34 H36 N4 O11 S2

L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

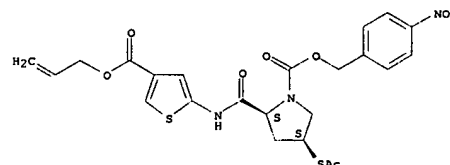


CM 2
 CRN 7087-68-5
 CMF C8 H19 N



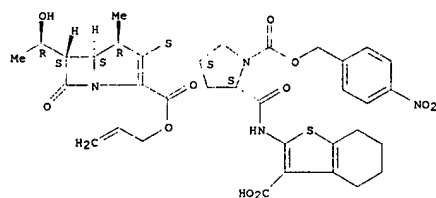
RN 155481-36-0 HCAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[4-[(2-propenyloxy)carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



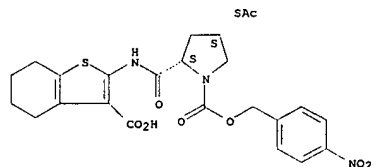
RN 155481-37-1 HCAPLUS
 CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[[5-[(3-carboxy-4,5,6,7-tetrahydrobenzo[b]thien-2-yl)amino]carbonyl]-1-[[[4-nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, 2-(2-propenyl) ester, (4R-[3(3S',5S'),4a,5b,6b(R')])-, (9CI) (CA INDEX NAME)

L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
Absolute stereochemistry.



RN 155481-38-2 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[3-carboxy-4,5,6,7-tetrahydrobenzo[b]thien-2-yl]amino]carbonyl]-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

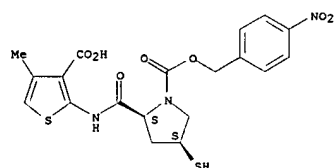


RN 155481-40-6 HCAPLUS
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[[[3-carboxy-4-methyl-2-thienyl]amino]carbonyl]-1-[[[4-nitrophenyl]methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, 2-(2-propenyl) ester, [4R-[3(3S*,5S*),4a,5b,6b(R*)]]-, compd. with N-ethyl-N-(1-methylethyl)-2-propanamine (1:1) (9CI) (CA INDEX NAME)

CM 1
CRN 155481-39-3
CMF C32 H34 N4 O11 S2

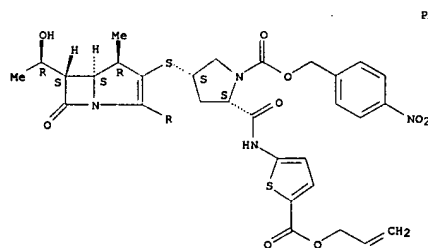
Absolute stereochemistry.

L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

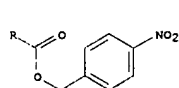


RN 155481-43-9 HCAPLUS
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-(1-hydroxyethyl)-4-methyl-3-[[[1-[[[4-nitrophenyl]methoxy]carbonyl]-5-[[[5-[[2-propenyloxy]carbonyl]-2-thienyl]amino]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-, (4-nitrophenyl)methyl ester, [4R-[3(3S*,5S*),4a,5b,6b(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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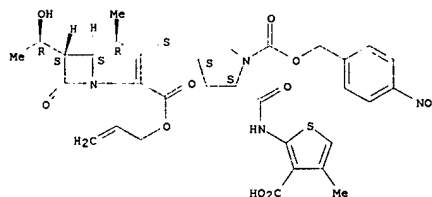


PAGE 2-A

RN 155481-44-0 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-mercapto-2-[[[5-[[2-propenyloxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

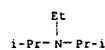
Absolute stereochemistry.

L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



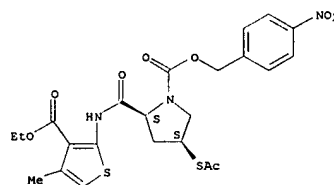
CM 2

CRN 7087-68-5
CMF C8 H19 N



RN 155481-41-7 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[3-(ethoxycarbonyl)-4-methyl-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

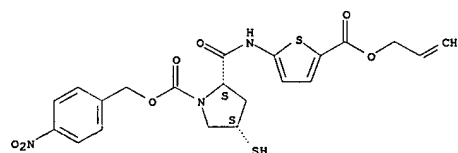
Absolute stereochemistry.



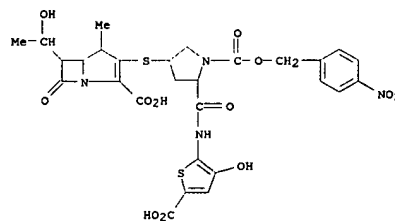
RN 155481-42-8 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 2-[[[3-carboxy-4-methyl-2-thienyl]amino]carbonyl]-4-mercapto-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 155481-45-1 HCAPLUS
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[[[5-carboxy-3-hydroxy-2-thienyl]amino]carbonyl]-1-[[[4-nitrophenyl]methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, monosodium salt, [4R-[3(4S*,5S*),4a,5b,6b(R*)]]- (9CI) (CA INDEX NAME)

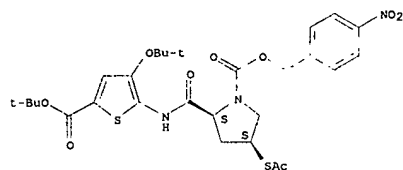


● Na

RN 155481-51-9 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[3-(1,1-dimethylethoxy)-5-[[[1,1-dimethylethoxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

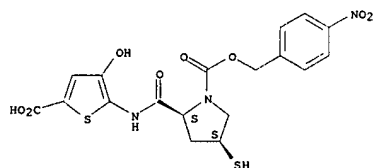
L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 155481-52-0 HCAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[[[(5-carboxy-3-hydroxy-2-thienyl)amino]carbonyl]-4-mercapto-, 1-[(4-nitrophenyl)methyl] ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 155481-53-1 HCAPLUS

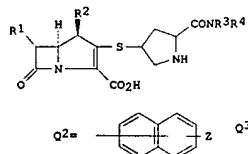
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[[5-[(5-carboxy-3-hydroxy-2-thienyl)amino]carbonyl]-1-[(4-nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, 2-(2-propenyl) ester, {4R-[3(3S*,5S*),4α,5β,6β(R*)]}- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L8 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 28 May 1994

GI



AB Title compds. [1: R1 = 1-hydroxyethyl, 1-fluoroethyl, hydroxymethyl; R2, R3 = H, alkyl; R4 = Q1-Q3; 2 = carboxy, sulfonic acid, sulfonic acid, phenylsulfonycarbonyl, alkoxy carbonyl, alkanesulfonamido, cyanocarbonyl, tetrazol-5-yl, 3-hydroxyisoxazol-4-yl, benzamidosulfonyl, etc.] were prepared Thus, (2S,4S)-1-[(4-nitrobenzyl)oxy]carbonyl]-2-(3-sulphophenylcarbonyl)pyrrolidin-4-ylthioacetate diisopropylethylamine salt (preparation given) was saponified with 1N NaOH and the resulting thiol was stirred with 4-nitrobenzyl (1R,5R,6S,8R)-6-(1-hydroxyethyl)-1-methyl-2-diphenylphosphoryloxycarbapenem-3-carboxylate (preparation given) in DMF containing diisopropylethylamine and Bu3P to give a coupling product which was hydrogenated in EtOAc/H2O/EtOH containing KHC03 to give (1S,5S,6S,8R,2'S,4'S)-2-[2-[(3-sulphophenylcarbonyl)pyrrolidin-4-ylthio]-6-(1-hydroxyethyl)-1-methylcarbapenem-3-carboxylic acid dipotassium salt. This showed MIC's of 0.125 and 0.015 µg/mL against Staphylococcus aureus Oxford and Escherichia coli DCO, resp.

ACCESSION NUMBER: 1994:269929 HCAPLUS

DOCUMENT NUMBER: 120:269929

TITLE: Preparation of (carbonylpyrrolidinylthio)carbapenems as antibiotics

INVENTOR(S): Jung, Frederic Henri; Bertrandie, Alain Michel; Galt, Ronald Hilson Begg

PATENT ASSIGNEE(S): Zeneca Ltd., UK; Zeneca-Pharma

SOURCE: Eur. Pat. Appl., 28 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

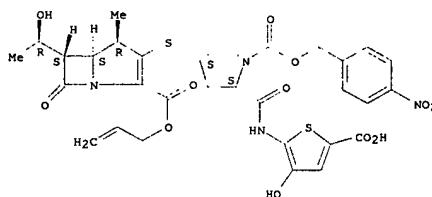
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 562855	A1	19930929	EP 1993-302296	19930325
EP 562855	B1	19990512		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2091309	AA	19930927	CA 1993-2091309	19930309
AT 179978	E	19990515	AT 1993-302296	19930325
ES 2133358	T3	19990916	ES 1993-302296	19930325
JP 06025244	A2	19940201	JP 1993-68076	19930326
US 5571805	A	19961105	US 1994-302394	19940908
PRIORITY APPLN. INFO.:			EP 1992-400837	A 19920326
			EP 1992-400839	A 19920326

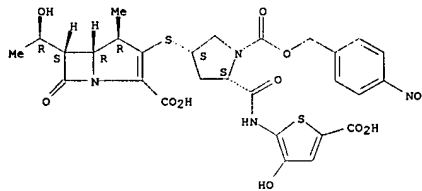
L8 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 155549-48-7 HCAPLUS

CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[[5-[(5-carboxy-3-hydroxy-2-thienyl)amino]carbonyl]-1-[(4-nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, {4R-[3(3S*,5S*),4α,5α,6β(R*)]}- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

EP 1992-402700 A 19921002

US 1993-37171 B1 19930326

OTHER SOURCE(S): MARPAT 120:269929

IT 154308-86-8P 154308-87-9P 154308-88-0P

154308-89-1P 154308-90-4P 154308-91-5P

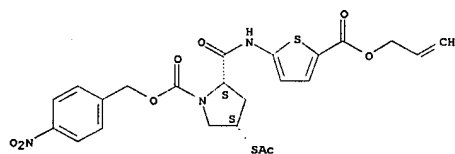
154308-93-7P 154309-01-0P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as intermediate for antibacterial)

RN 154308-86-8 HCAPLUS

CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[(2-propenyl)oxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

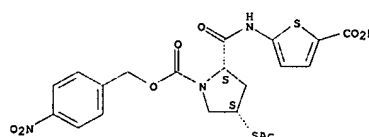
Absolute stereochemistry.



RN 154308-87-9 HCAPLUS

CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[(2-propenyl)oxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

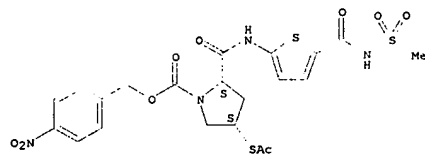


RN 154308-88-0 HCAPLUS

CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[(2-propenyl)oxy]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

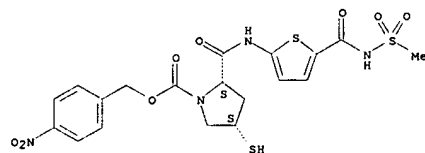
Absolute stereochemistry.

L8 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 154308-89-1 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-mercapto-2-[[[5-[(methylsulfonyl)amino]carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

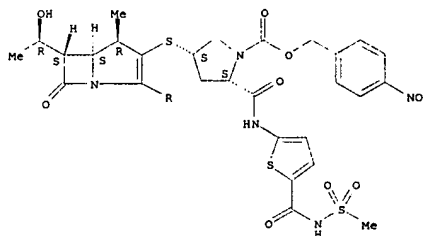


RN 154308-90-4 HCAPLUS
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-(1-hydroxyethyl)-4-methyl-3-[[[5-[(methylsulfonyl)amino]carbonyl]-2-thienyl]amino]carbonyl]-1-[[[4-(4-nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-, (4-nitrophenyl)methyl ester, [4R-[3(3S*,5S*),4α,5β,6β(R*)]]- (9CI) (CA INDEX NAME)

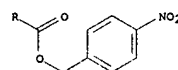
Absolute stereochemistry.

L8 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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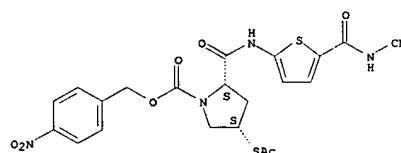


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RN 154308-91-5 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 4-(acetylthio)-2-[[[5-[(cyanoamino)carbonyl]-2-thienyl]amino]carbonyl]-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



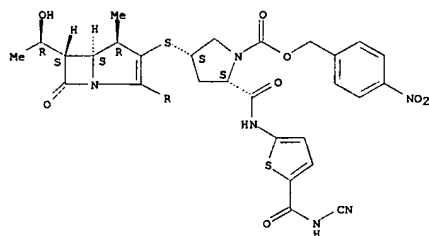
RN 154308-93-7 HCAPLUS
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[[5-[[[5-[(cyanoamino)carbonyl]-2-thienyl]amino]carbonyl]-1-[[[4-(4-nitrophenyl)methoxy]carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-, (4-nitrophenyl)methyl ester, [4R-[3(3S*,5S*),4α,5β,6β(R*)]]- compd. with N-ethyl-N-(1-methylethyl)-2-propanamine (1:1) (9CI) (CA INDEX NAME)

L8 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

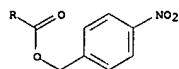
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CRN 154308-92-6
CMF C36 H33 N7 O12 S2

Absolute stereochemistry.

PAGE 1-A

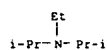


PAGE 2-A



CM 2

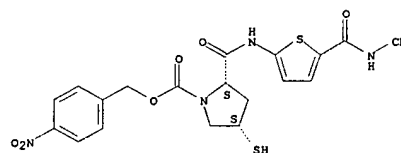
CRN 7087-68-5
CMF C8 H19 N



RN 154309-01-0 HCAPLUS
CN 1-Pyrrolidinecarboxylic acid, 2-[[[5-[(cyanoamino)carbonyl]-2-thienyl]amino]carbonyl]-4-mercapto-, (4-nitrophenyl)methyl ester, (2S-cis)- (9CI) (CA INDEX NAME)

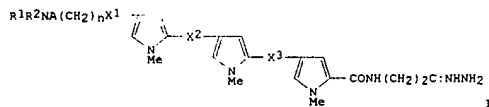
Absolute stereochemistry.

L8 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



Ngrazier 10680346expA2A3A4A6A9

L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 05 Mar 1994
GI



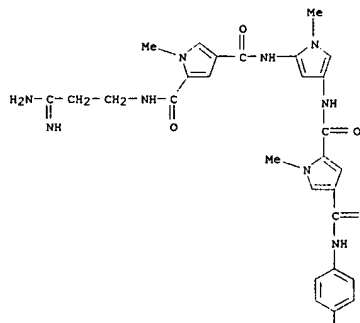
AB Title compds. I (n = 0-6; A = bond, acyl, aromatic heterocycl; X1 = bond, NHCO, CONH; X2, X3 = CONH, NHCO; R1, R2 = oxiranomethyl, 1-aziridinomethyl, (substituted) C2-4 alkyl, C2-4 alkoxyhalo, R4O2SO wherein R4 = C1-4 alkyl, Ph; R1 = H, R2 = R3(CH2)mCO wherein R3 = halo, oxiranyl, methylloxiranyl, aziridinyl, cyclopropyl, (substituted) C2-6 alkenyl, etc.) useful as anticancer and antiviral agents (no data), are prepared 4-(H2N)C6H4N(HOCH2CH2)2 in MeOH was added to a C6H6 solution of 1-methyl-2-carbomethoxy-4-pyrrolecarboxylic acid to give Me 1-methyl-4-[4-[N,N-bis(2-hydroxyethyl)amino]benzylaminocarbonyl]pyrrole-2-carboxylate which was saponified to the free acid which was converted to bis(2-chloroethyl) derivative which in DMF was added to 1-methyl-4-(1-methyl-4-aminopyrrole-2-carboxamido)pyrrole-2-carboxamidopropionamidino-HCl, N-hydroxybenzotriazole, 1,8-bis(dimethylamino)naphthalene and 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide to give the title I (n = 0, A = p-phenylene, X1 = NHCO, X2 = X3 = CONH, R1 = R2 = ClCH2CH2).HCl.

ACCESSION NUMBER: 1994:107751 HCAPLUS
DOCUMENT NUMBER: 120:107751
TITLE: Preparation of retroreverse pyrrole-amidino oligopeptide anticancer agent analogues
INVENTOR(S): Arcamone, Federico; Lombardi, Paolo; Animatei, Fabio
PATENT ASSIGNEE(S): Menarini, A., Industrie Farmaceutiche Riunite S.r.l., Italy; Bristol-Myers Squibb S.p.A.
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

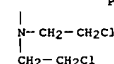
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9313739	A2	19930722	WO 1993-EP2	19930104
WO 9313739	A3	19931125		
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9333478	A1	19930803	AU 1993-33478	19930104
EP 623023	A1	19941109	EP 1993-902141	19930104
R: DE, ES, FR, GB				
PRIORITY APPLN. INFO.:		IT 1992-MI21	A	19920110
		WO 1993-EP2	A	19930104
OTHER SOURCE(S): MARPAT 120:107751				
IT 150691-25-1P 150691-26-2P 150691-27-3P				

L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
150691-28-4P 150691-29-5P 150691-30-8P
150691-31-9P 150691-33-1P 150691-34-2P
150691-35-3P 150691-36-4P 150691-40-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as anticancer and antiviral agent)
RN 150691-25-1 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-1-methyl-1H-pyrrol-3-yl]-N4-[4-[bis(2-chloroethyl)amino]phenyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

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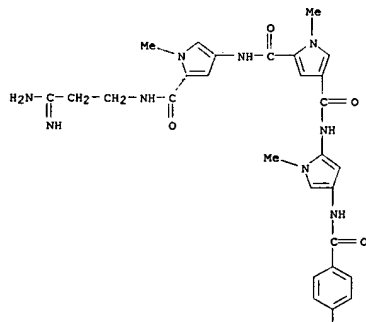


● HCl

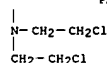
RN 150691-26-2 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[4-[4-[bis(2-chloroethyl)amino]benzoyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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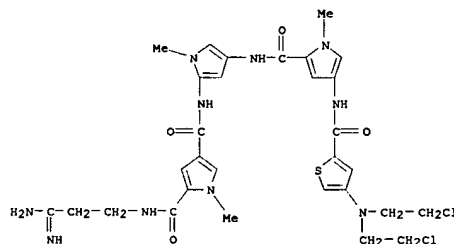
PAGE 2-A



● HCl

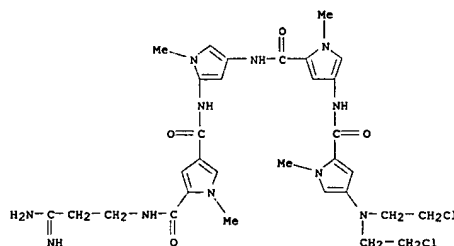
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CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[4-[bis(2-chloroethyl)amino]-2-thienyl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



● HCl

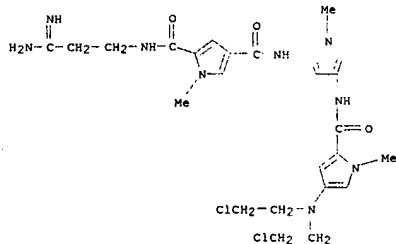
RN 150691-28-4 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[4-[bis(2-chloroethyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

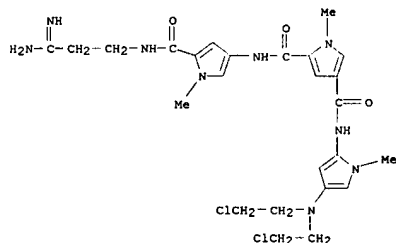
RN 150691-29-5 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[4-[bis(2-chloroethyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



● HCl

RN 150691-30-8 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-[[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[[4-[[bis(2-chloroethyl)amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 150691-31-9 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-((3-amino-3-iminopropyl)amino)carbonyl-1-methyl-1H-pyrrol-3-yl]-N4-[[4-[[bis(2-chloroethyl)amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

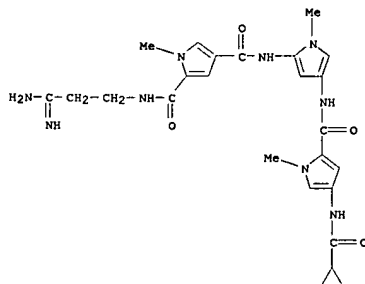
L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

● HCl

RN 150691-34-2 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-((3-amino-3-iminopropyl)amino)carbonyl-1-methyl-1H-pyrrol-3-yl]-N4-[[4-[[4-[[cyclopropylcarbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

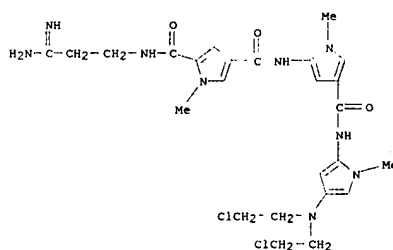


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● HCl

RN 150691-35-3 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-((3-amino-3-iminopropyl)amino)carbonyl-1-methyl-1H-pyrrol-3-yl]-N4-[[4-[[4-[[1-aziridinylcarbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

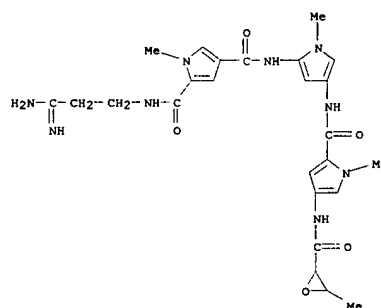
L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

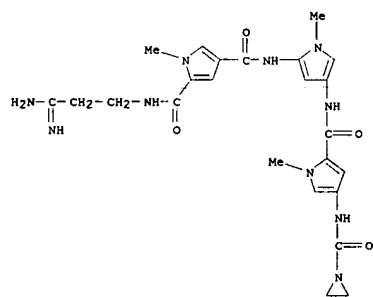
RN 150691-33-1 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-((3-amino-3-iminopropyl)amino)carbonyl-1-methyl-1H-pyrrol-3-yl]-N4-[[4-[[4-[[3-methoxybenzyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

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L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

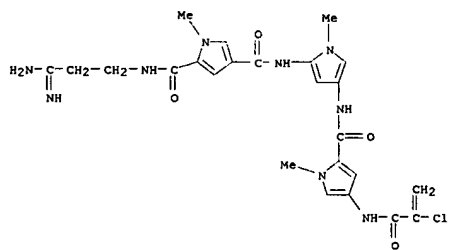
PAGE 1-A



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● HCl

RN 150691-36-4 HCAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-((3-amino-3-iminopropyl)amino)carbonyl-1-methyl-1H-pyrrol-3-yl]-N4-[[4-[[4-[[2-chloro-1-oxo-2-propenyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

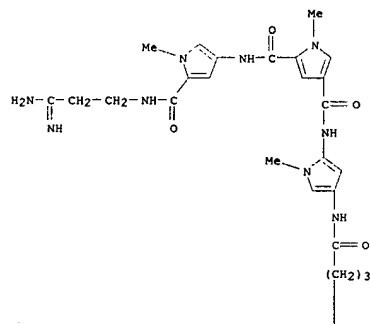


● HCl

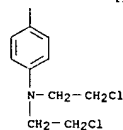
RN 150691-40-0 HCAPLUS

L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[[3-amino-3-
 iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[4-[[4-[[[bis(2-
 chloroethyl)amino]phenyl]-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-
 methyl-, monohydrochloride (9CI) (CA INDEX NAME)

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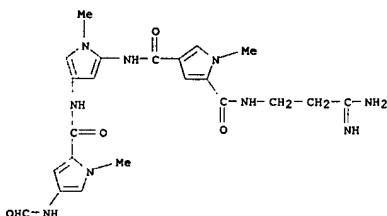


● HCl

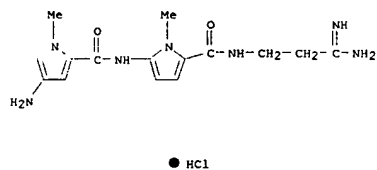
IT 150691-42-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in preparation of anticancer and antivirus agents)
 RN 150691-42-2 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, 4-amino-N-[5-[[[3-amino-3-
 iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-,

L8 ANSWER 29 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 08 Jan 1994
 AB High resolution proton NMR techniques have been used to study the interaction
 between the self-complementary Dickerson dodecamer d(CGCGAATTCGCG)2 and
 two distamycin analogs containing a retroinverted amide bond. The results
 indicated that both analogs, although binding the Dickerson dodecamer less
 strongly than distamycin, span the central AATT segment in the minor
 groove in a similar fashion.
 ACCESSION NUMBER: 1994:2947 HCAPLUS
 DOCUMENT NUMBER: 120:2947
 TITLE: Proton NMR studies of the interactions of two
 distamycin analogs with the dodecamer d(CGCGAATTCGCG)2
 AUTHOR(S): Rosaria Conte, Maria; Fattorusso, Ernesto;
 Gomez-Paloma, Luigi; Mayol, Luciano
 CORPORATE SOURCE: Dip. Chim. Sostanze Nat., Univ. Napoli Federico,
 Naples, I-80131, Italy
 SOURCE: Bioorganic & Medicinal Chemistry Letters (1992),
 2(10), 1299-304
 CODEN: BMCLE8; ISSN: 0960-894X
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 143158-57-0
 RL: PRP (Properties)
 (double-stranded DNA dodecamer binding of, NMR study of)
 RN 143158-57-0 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-[3-amino-3-iminopropyl]-N4-[4-[[[4-
 (formylamino)-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-
 yl]- (9CI) (CA INDEX NAME)

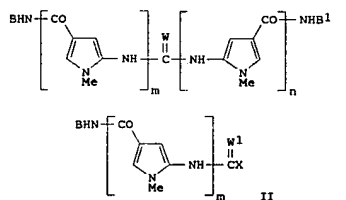


L8 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 02 Oct 1993
 GI



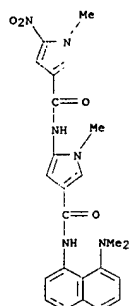
AB The title compds. I [W = O, S, NH; m, n = 1, 2, 3, 4; B, B1 = (CH2)pNR1R2,
 (CH2)qC(:NR3)NR4R5, B, B1 = (un)saturated (un)substituted (condensed)
 carbocyclic ring; (un)saturated (un)substituted heteromono- or -di-cycle; p =
 2, 3, 4; R1, R2 = H, C1-6 alkyl; q = 1, 2, 3, 4; R3 = H, R4, R5 = H, C1-6
 alkyl; R3R4 = CH:CH, CH2CH2, CH2CH2CH2; R5 = H, C1-6 alkyl;] and their
 pharmaceutically acceptable salts, useful as angiogenesis inhibitors (no
 data) and particularly in cancer therapy either alone or together with an
 antitumor agent, are prepd from aminomethylpyrrolecarboxamide derivs.,
 e.g., II [W1 = O, S; X = leaving group] or their salts. Thus,
 8,8'-[carbonylbis(imino-N-methyl-5,3-pyrrolecarbonylimino(N-methyl-5,3-
 pyrrole)carbonylimino)]bis[1-(N,N-dimethylamino)naphthalene] was prepared
 from 1,8-diaminonaphthalene and Me 5-nitro-3-pyrrolecarboxylate in several
 of steps.

ACCESSION NUMBER: 1993:539084 HCAPLUS
 DOCUMENT NUMBER: 119:139084
 TITLE: Derivatives of 5-amino-1-methyl-3-pyrrolecarboxamides
 as angiogenesis inhibitors
 INVENTOR(S): Mongelli, Nicola; Biasoli, Giovanni; Paio, Alfredo;
 Mariani, Mariangela
 PATENT ASSIGNEE(S): Farmitalia Carlo Erba S.r.l., Italy
 SOURCE: Brit. UK Pat. Appl., 43 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2260134	A1	19930407	GB 1991-21205	19911004
PRIORITY APPLN. INFO.: MARPAT 119:139084				
OTHER SOURCE(S):				

IT 149621-64-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and hydrogenation of)
 RN 149621-64-7 HCAPLUS
 CN 1H-Pyrrole-3-carboxamide, N-[4-[[[8-(dimethylamino)-1-
 naphthalenyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-5-nitro-

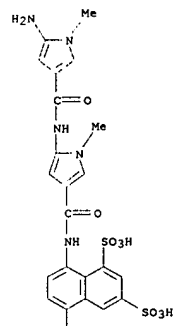
L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
(9CI) (CA INDEX NAME)



IT 149594-72-9P 149594-73-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and reaction of in synthesis of angiogenesis inhibitor)
RN 149594-72-9 HCAPLUS
CN 1,3,5-Naphthalenetrisulfonic acid, 8-[[[5-[[[5-amino-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-, trisodium salt, monohydrochloride (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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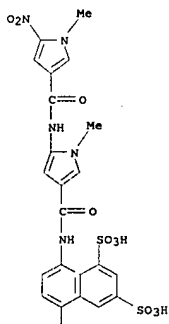
● HCl

● 3 Na

RN 149594-73-0 HCAPLUS
CN 1,3,5-Naphthalenetrisulfonic acid, 8-[[[5-[[[5-amino-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-, trisodium salt (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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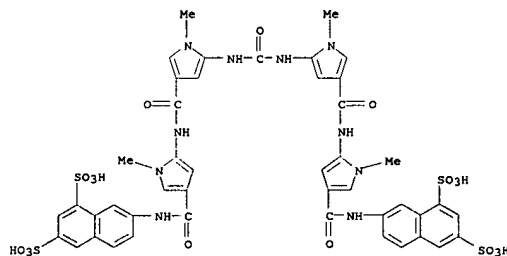


● 3 Na

IT 149594-76-3P 149621-63-6P 149621-70-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as angiogenesis inhibitor)
RN 149594-76-3 HCAPLUS
CN 1,3-Naphthalenedisulfonic acid, 7,7'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis-, tetrapotassium salt (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

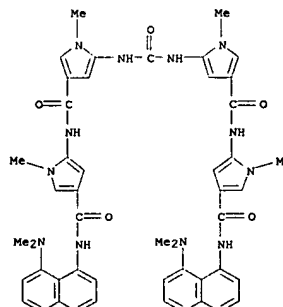
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● 4 K

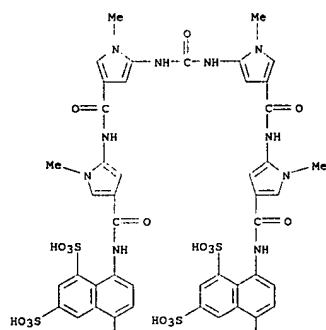
RN 149621-63-6 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 5,5'-[(carbonyldiimino)]bis[N-[4-[[[8-(dimethylamino)-1-naphthalenyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)



RN 149621-70-5 HCAPLUS
CN 1,3,5-Naphthalenetrisulfonic acid, 8,8'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis-, tetrapotassium salt (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
diyl]carbonylimino]]bis- (9CI) (CA INDEX NAME)

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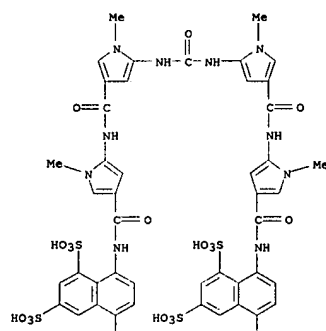


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IT 149594-70-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, in synthesis of angiogenesis inhibitor)
RN 149594-70-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 5-amino-N-[4-[[[8-(dimethylamino)-1-naphthalenyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, dihydrochloride (9CI) (CA INDEX NAME)

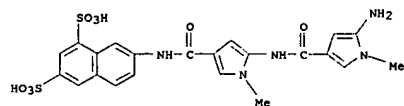
L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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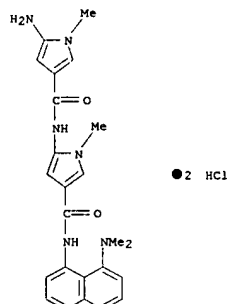
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IT 149594-77-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in synthesis of angiogenesis inhibitor)
RN 149594-77-4 HCAPLUS
CN 1,3-Naphthalenedisulfonic acid, 7-[[[5-[[[5-amino-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

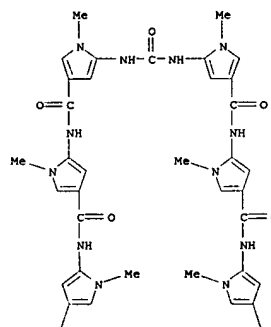


IT 149594-71-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, protonation, and formulation of, as angiogenesis inhibitor)
RN 149594-71-8 HCAPLUS
CN 1,3,5-Naphthalenesulfonic acid, 8,8'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl]carbonylimino]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

IT 149621-72-7 149621-73-8 149621-74-9
149621-75-0 149621-76-1 149621-77-2
149621-78-3 149621-79-4 149621-80-7
149621-81-8 149621-82-9 149621-83-0
149621-84-1 149621-85-2 149621-86-3
149621-87-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(use of, as angiogenesis inhibitor)
RN 149621-72-7 HCAPLUS
CN 1H-Pyrrole-3-carboxamide, 5,5'-[(carbonyldiimino)bis[N-[4-[[[4-[[[3-amino-3-aminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)

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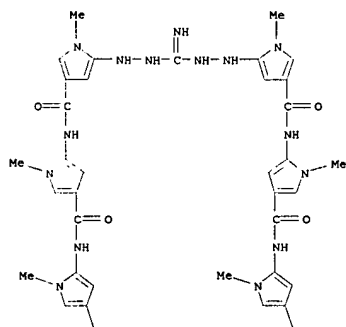
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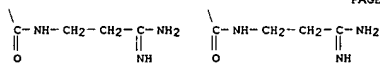
RN 149621-73-8 HCAPLUS
CN Carbonimidic dihydrazide, 2,2'-bis[4-[[[4-[[[4-[[[3-amino-3-

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrole-2-yl]amino]carbonyl]-1-methyl-1H-pyrrole-2-yl]amino]carbonyl]-1-methyl-1H-pyrrole-2-yl]- (9CI) (CA INDEX NAME)

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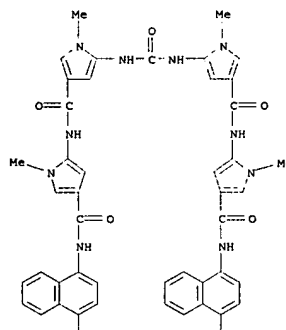
PAGE 2-A



RN 149621-74-9 HCAPLUS
 CN 1-Naphthalenesulfonic acid, 4,4'-[carbonylbis[imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino]]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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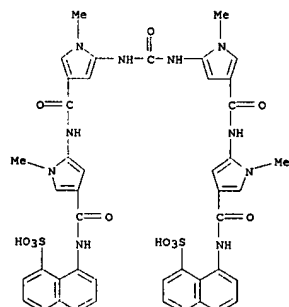


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RN 149621-75-0 HCAPLUS
 CN 1-Naphthalenesulfonic acid, 8,8'-[carbonylbis[imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino]]bis- (9CI) (CA INDEX NAME)

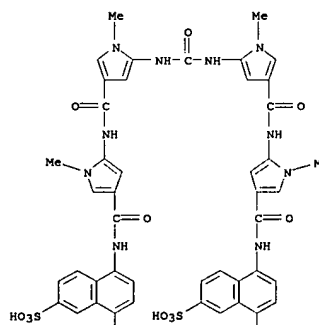
L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 149621-76-1 HCAPLUS
 CN 1,3-Naphthalenedisulfonic acid, 8,8'-[carbonylbis[imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino]]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

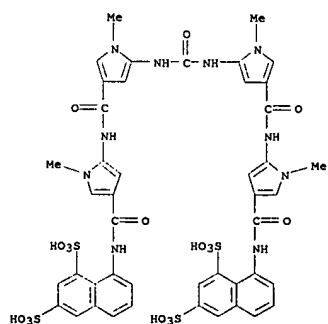
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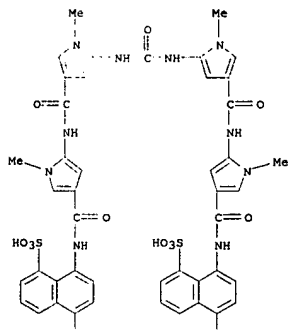
RN 149621-78-3 HCAPLUS
 CN 1,5-Naphthalenedisulfonic acid, 4,4'-[carbonylbis[imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino]]bis- (9CI) (CA INDEX NAME)



RN 149621-77-2 HCAPLUS
 CN 1,7-Naphthalenedisulfonic acid, 4,4'-[carbonylbis[imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino]]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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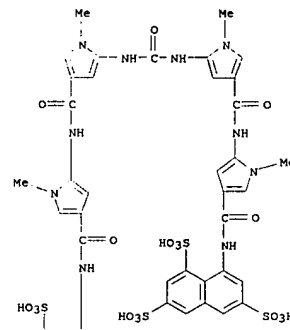
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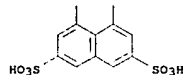
RN 149621-79-4 HCAPLUS
CN 1,3,6-Naphthalenetrisulfonic acid, 8,8'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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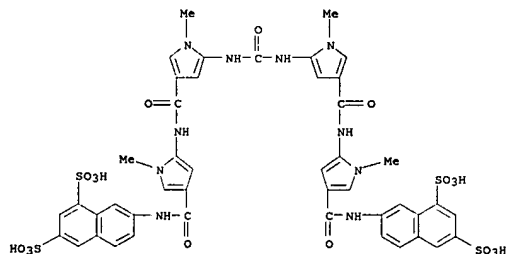


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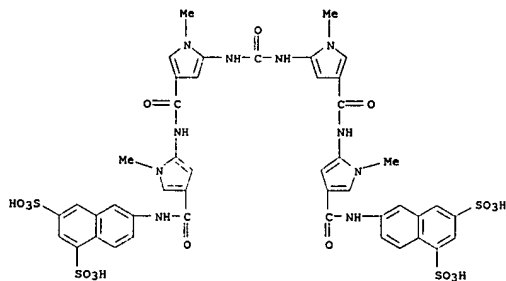


RN 149621-80-7 HCAPLUS
CN 1,5-Naphthalenedisulfonic acid, 7,7'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

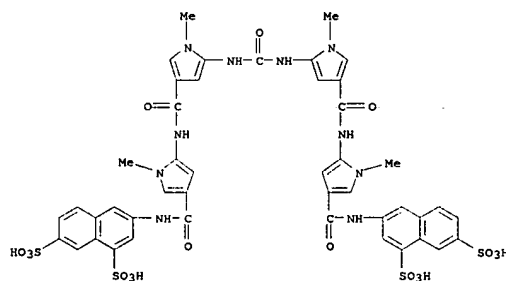


RN 149621-81-8 HCAPLUS
CN 1,3-Naphthalenedisulfonic acid, 6,6'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)



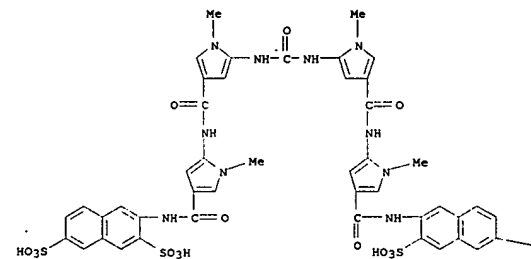
RN 149621-82-9 HCAPLUS
CN 1,7-Naphthalenedisulfonic acid, 3,3'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 149621-83-0 HCAPLUS
CN 2,7-Naphthalenedisulfonic acid, 3,3'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)

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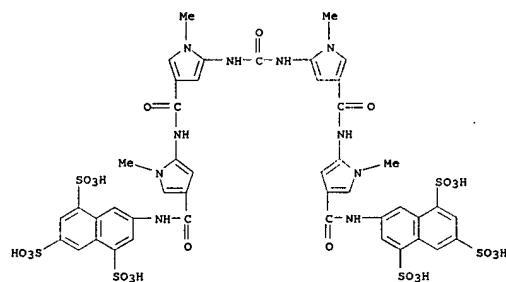


L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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SO₃H

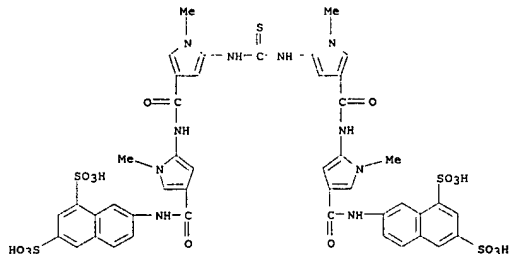
RN 149621-84-1 HCAPLUS
CN 1,3,5-Naphthalenesulfonic acid, 7,7'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)



RN 149621-85-2 HCAPLUS
CN 1,3-Naphthalenedisulfonic acid, 7,7'-[carbonothioylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis- (9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

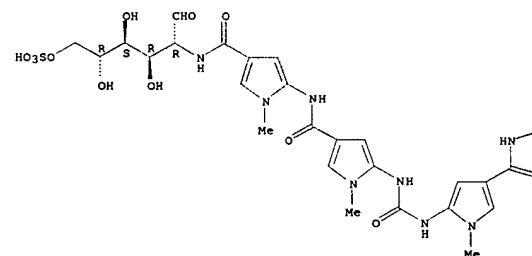
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RN 149621-86-3 HCAPLUS
CN D-Glucose, 2,2'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis(2-deoxy-, 6,6'-bis(hydrogen sulfate) (9CI) (CA INDEX NAME)

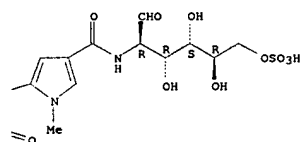
Absolute stereochemistry.

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L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

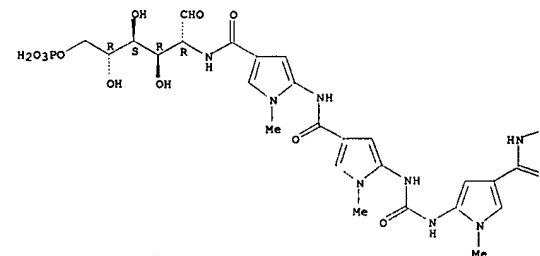
PAGE 1-B



RN 149621-87-4 HCAPLUS
CN D-Glucose, 2,2'-[carbonylbis(imino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino(1-methyl-1H-pyrrole-2,4-diyl)carbonylimino)]bis(2-deoxy-, 6,6'-(dihydrogen phosphate) (9CI) (CA INDEX NAME)

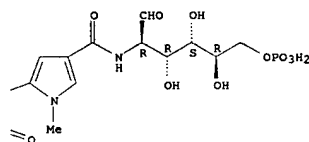
Absolute stereochemistry.

PAGE 1-A



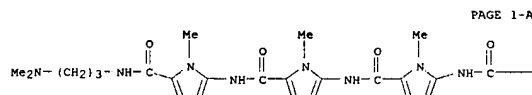
L8 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-B

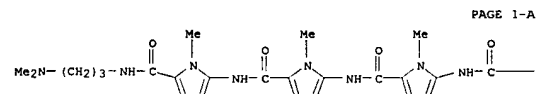
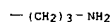


L8 ANSWER 31 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 18 Sep 1993
 AB Comparison of the DNA cleavage activity of man-designed bleomycins demonstrates that bleomycins are small enzymes comprised of the catalytic site and a binding site. The linker moiety is shown to be significant for DNA binding, and inversion of its stereochem. results in a dramatic decrease in the DNA-cleaving efficiency. It can be said that bleomycin possesses a switching device in the β -aminoalaninamide moiety to regulate the in vivo activity. One of the man-designed BLMs shows excellent cytotoxicity against L1210.
 ACCESSION NUMBER: 1993:508375 HCAPLUS
 DOCUMENT NUMBER: 119:108375
 TITLE: Man-designed bleomycins based on the anticancer mechanism of natural bleomycins: Significance of the binding sites as enzyme models, of the stereochemistry of the linker moiety, and of a switching device in the β -aminoalaninamide moiety
 AUTHOR(S): Ohno, Masaji
 CORPORATE SOURCE: Fac. Pharm. Sci., Univ. Tokyo, Tokyo, Japan
 SOURCE: Proceedings of the Robert A. Welch Foundation Conference on Chemical Research (1991), 35(Chem. Front. Med.), 119-34
 CODEN: PRWAC; ISSN: 0557-1588
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 149352-73-8
 RL: RCT (Reactant); RACT (Reactant or reagent) (deprotection of)
 RN 149352-73-8 HCAPLUS
 CN Carbanic acid, 4-[[5-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]-4-oxobutyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

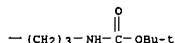
L8 ANSWER 31 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
]-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)



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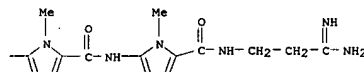
PAGE 1-B



IT 149330-07-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and coupling of, with distamycin)
 RN 149330-07-4 HCAPLUS
 CN 1H-Pyrrole-2-carboxamide, 5-[[[5-[(4-amino-1-oxobutyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-N-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]

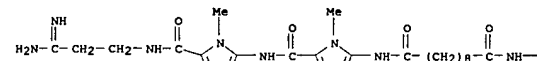
L8 ANSWER 32 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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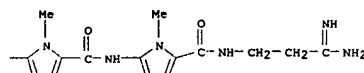


RN 148504-21-6 HCAPLUS
 CN Decanediamide, N,N'-bis[5-[[[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

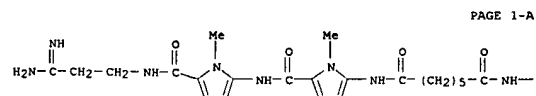
PAGE 1-A



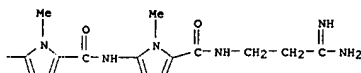
PAGE 1-B



L8 ANSWER 32 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 07 Aug 1993
 AB Nonintercalating DNA minor-groove binders may effectively inhibit the supercoiling activity of DNA gyrase (I) by influencing the enzyme recognition and cleavage site on DNA. For I from Streptomyces noursei, a wide range of inhibitory potency for different classes of ligands was observed. This could be explained by a number of structural and binding factors of the ligands competing with I on the target site of DNA, the mechanism of which is different from the classical I inhibitors.
 ACCESSION NUMBER: 1993:443973 HCAPLUS
 DOCUMENT NUMBER: 119:43973
 TITLE: Minor-groove binders are inhibitors of the catalytic activity of DNA gyrases
 AUTHOR(S): Stoerl, K.; Stoerl, J.; Zimmer, Ch.; Lown, J. W.
 CORPORATE SOURCE: Dep. Mol. Biol., Inst. Mol. Biol., Univ. Jena, Jena, Germany
 SOURCE: FEBS Letters (1993), 317(1-2), 157-62
 CODEN: FEBLAL; ISSN: 0014-5793
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 148504-19-2 148504-20-5 148504-21-6
 RL: BIOL (Biological study)
 RN 148504-19-2 HCAPLUS
 CN Heptanediamide, N,N'-bis[5-[[[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

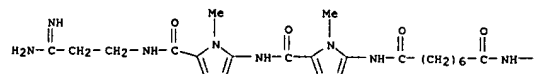


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RN 148504-20-5 HCAPLUS
 CN Octanediamide, N,N'-bis[5-[[[5-[[[3-amino-3-iminopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

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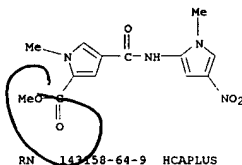


L8 ANSWER 33 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 04 Oct 1992
 AB HX12X2X3CONHCH2CH2C(:NH)NH2 (X1, X2, X3 = CONH or NHCO the case wherein X1 = X2 = X3 = CONH being excluded; Z = 1-methyl-2,4-pyrrolylene throughout) were prepared as antiviral and antitumor agents (no data). Thus, H02CZCO2Me and O2NZCON3 (preparation each given) were heated with Et3N and the product converted in 3 steps to O2NZNHCOZCONHCH2CH2C(:NH)NH2 which was hydrogenated and the product condensed with HCONH2CO2H (preparation given) to give HCONH2CONH2NHCOZCONHCH2CH2C(:NH)NH2.

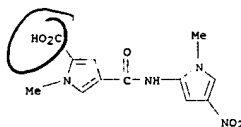
ACCESSION NUMBER: 1992:530993 HCAPLUS
 DOCUMENT NUMBER: 117:130993
 TITLE: Preparation of distamycin analogs as antiviral antitumor agents
 INVENTOR(S): Animati, Fabio; Arcamone, Federico; Lombardi, Paolo; Rossi, Cristina
 PATENT ASSIGNEE(S): Menarini, A., Industrie Farmaceutiche Riunite S.r.l., Italy; Bristol-Myers Squibb S.p.A.
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9209574	A2	19920611	WO 1991-EP2220	19911120
WO 9209574	A3	19920806		
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MC, MG, MN, MW, NO, PL, RO, SD, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
AU 9189178	A1	19920625	AU 1991-89178	19911120
PRIORITY APPL. INFO.:			IT 1990-22154	A 19901122
			WO 1991-EP2220	A 19911120

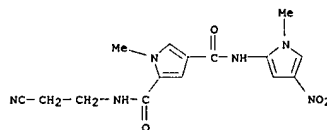
OTHER SOURCE(S): MARPAT 117:130993
 IT 143158-63-0P 143158-64-9P 143158-65-0P
 143363-83-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of antiviral and antitumor agents)
 RN 143158-63-8 HCAPLUS
 CN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[(1-methyl-4-nitro-1H-pyrrol-2-yl)amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



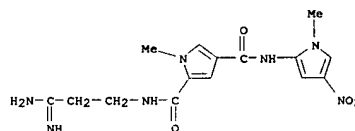
L8 ANSWER 33 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[(1-methyl-4-nitro-1H-pyrrol-2-yl)amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 143158-65-0 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-(2-cyanoethyl)-1-methyl-N4-(1-methyl-4-nitro-1H-pyrrol-2-yl)- (9CI) (CA INDEX NAME)



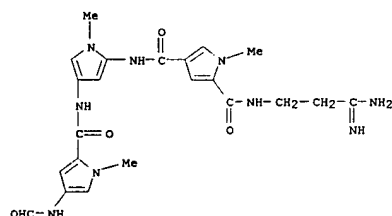
RN 143363-83-1 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-1-methyl-N4-(1-methyl-4-nitro-1H-pyrrol-2-yl)-, monohydrochloride (9CI) (CA INDEX NAME)



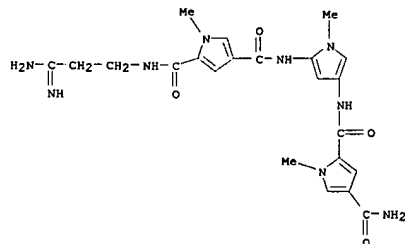
● HCl

IT 143158-57-0P 143158-59-2P 143158-60-5P
 143158-61-6P 143158-66-1P 143158-67-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as antiviral and antitumor agent)
 RN 143158-57-0 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[(4-(formylamino)-1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

L8 ANSWER 33 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

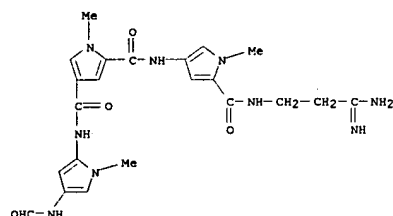


RN 143158-59-2 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N4-[4-[[[(4-(aminocarbonyl)-1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-N2-(3-amino-3-iminopropyl)-1-methyl- (9CI) (CA INDEX NAME)

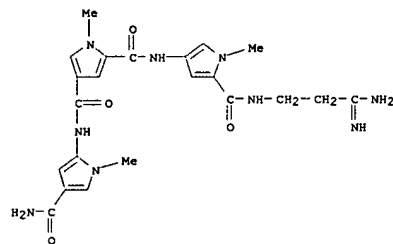


RN 143158-60-5 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[4-(formylamino)-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)

L8 ANSWER 33 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

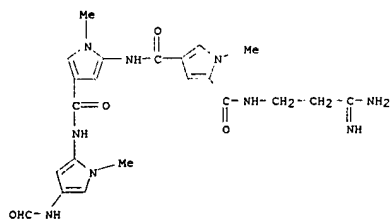


RN 143158-61-6 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N4-[4-(aminocarbonyl)-1-methyl-1H-pyrrol-2-yl]-N2-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl- (9CI) (CA INDEX NAME)

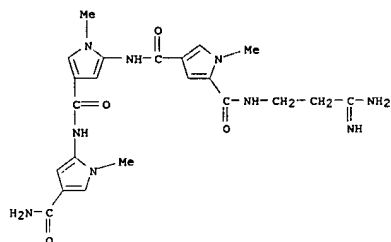


RN 143158-66-1 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[(4-(formylamino)-1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl- (9CI) (CA INDEX NAME)

L8 ANSWER 33 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 143158-67-2 HCAPLUS
 CN 1H-Pyrrole-2,4-dicarboxamide, N4-[4-[[[4-(aminocarbonyl)-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-N2-(3-amino-3-iminopropyl)-1-methyl- (9CI) (CA INDEX NAME)



L8 ANSWER 34 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 23 Aug 1992

AB Various aliphatic N-acyl derivs. and an N-phthalidyl derivative of the model compound N-benzoyloxycarbonyl-glycyl-L-prolineamide (Z-Gly-ProNH2) were synthesized to assess their suitability as prodrug forms for the C-terminal prolineamide residue occurring in several peptides (e.g. TRH) with the aim of protecting the peptide against prolyl endopeptidase in the gut prior to absorption. Whereas Z-Gly-ProNH2 was rapidly hydrolyzed in a rabbit gut homogenate, used as a source of prolyl endopeptidase, the N-acyl derivs. were found to afford protection by a factor of 1.5-6. The stability of the N-acyl derivs. in the gut homogenate decreased with increasing chain length within the acyl group. The N-phthalidyl derivative, on the other hand, degraded even faster than the parent compound. The derivs. were all converted quant. into the parent peptide in human plasma solns. via hydrolysis catalyzed by non-specific plasma esterases. The results suggest that by appropriate N-acylation it may be feasible to improve the stability of a C-terminal prolineamide moiety toward prolyl endopeptidase. The combination of increased stability in the intestine and higher lipophilicity of the N-acyl prodrugs might render it possible to improve the delivery characteristics of peptides containing a C-terminal prolineamide moiety.

ACCESSION NUMBER: 1992:476326 HCAPLUS

DOCUMENT NUMBER: 117:76326

TITLE: Prodrugs of peptides. 17. Bioreversible derivatization of the C-terminal prolineamide residue in peptides to afford protection against prolyl endopeptidase

AUTHOR(S): Moess, Judi; Bundgaard, Hans
 CORPORATE SOURCE: Dep. Pharm. Chem., R. Dan. Sch. Pharm., Copenhagen, Den.

SOURCE: International Journal of Pharmaceutics (1992), 82(1-2), 91-7
 CODEN: IJPHDE; ISSN: 0378-5173

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 142755-61-1P

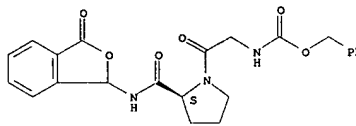
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and hydrolysis of, for protection against prolyl endopeptidase)

RN 142755-61-1 HCAPLUS

CN L-Prolineamide, N-[(phenylmethoxy)carbonyl]glycyl-N-(1,3-dihydro-3-oxo-1-isobenzofuranyl)- (9CI) (CA INDEX NAME)

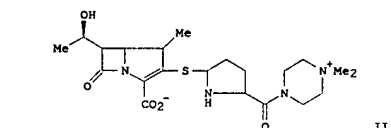
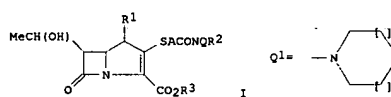
Absolute stereochemistry.



L8 ANSWER 35 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 17 Apr 1992

GI



AB Title compds. [I: A = (un)substituted N-containing heterocyclenediyl; Q = BN+R8R9R10, heterocyclyl, heterocyclalkyl; B = alkylene alkylidene; R1 = H, Me; R2 = H, alkyl; NQR2 = heterocycl group Q1; R3 = H, neg. charge; R6 = (un)substituted alkyl; R7-R10 = alkenyl, alkynyl, (un)substituted alkyl; m, n = 0-2] were prepared. Thus, (2S,4S)-4-[(4-methoxybenzylthio)-2-pyrrolidinyl]carboxylic acid was N-protected and the product amidated with N-methylpiperazine to give, after hydrolysis, (2S,4S)-4-mercapto-2-[(4-methyl-1-piperazinyl)carbonyl]-1-[(4-nitrobenzylthio)pyrrolidinyl]pyrrolidine. The latter was stirred 5 h at approx. 0° with 4-nitrobenzyl (1R,5R,6S)-6-[(1R)-hydroxymethyl]-1-methyl-2-oxo-1-methyl-2-oxo-1-carbapenem-3-carboxylate which had been treated with Ph2P(O)Cl and the product treated with FSO2Me followed by catalytic hydrogenolysis to give title compound (1R,5S,6S)-II which had MIC of ≤0.01 (no units given) against Staphylococcus aureus 209P and Escherichia coli NIHJ. I are resistant to dehydropeptidase I and β-lactamase.

ACCESSION NUMBER: 1992:151432 HCAPLUS

DOCUMENT NUMBER: 116:151432

TITLE: Preparation of [(piperazinylcarbonyl)pyrrolidinylthio] carbapenems and analogs as antibiotics

INVENTOR(S): Kawamoto, Isao; Miyauchi, Masao; Nakayama, Eiji; Endo, Rokuro; Ohya, Satoshi; Utsui, Yukio

PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 117 pp.

CODEN: EPXKDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 443883	A1	19910828	EP 1991-301497	19910225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 04211083	A2	19920803	JP 1991-27059	19910221
CA 2036941	AA	19910824	CA 1991-2036941	19910222
FI 9100860	A	19910824	FI 1991-860	19910222

L8 ANSWER 35 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

FI 96863 B 19960531

FI 96863 C 19960910

NO 9100723 A 19910826

NO 178498 B 19960102

NO 178498 C 19960410

AU 9171322 A1 19910829

AU 646012 B2 19940203

HU 58100 A2 19920128

ZA 9101344 A 19921125

CZ 289263 B6 20011212

US 5310735 A 19940510

RU 2059639 C1 19960510

US 5420119 A 19950530

AU 1991-71322

HU 1991-620

ZA 1991-1344

CZ 1991-483

US 1992-938483

RU 1993-4744

US 1993-143996

JP 1990-42796

JP 1990-212283

US 1991-658975

US 1992-938483

US 1993-60817

A 19900223

A 19900810

B1 19910221

A3 19920831

B1 19930512

OTHER SOURCE(S): MARPAT 116:151432

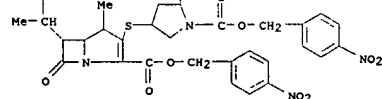
IT 138508-14-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of antibiotics)

RN 138508-14-2 HCAPLUS

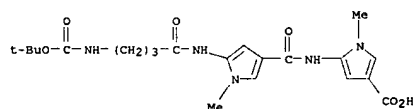
CN 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[(1-hydroxyethyl)-4-methyl-3-[[[5-[[[1-methyl-2-pyrrolidinyl]amino]carbonyl]-1-[[[4-nitrophenyl]methoxy]carbonyl]-3-pyrrolidinyl]thio]-7-oxo-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)



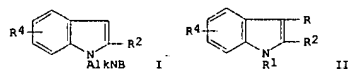
L8 ANSWER 36 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 05 Oct 1991
 AB Bifunctional mols., e.g. tri-, tetra-, penta-, and hexa-N-methylpyrrole-3-carboxamide-EDTA, bis(EDTA-distamycin), etc., are prepared by reacting a DNA intercalator (p-carboxymethidium, etc.) or DNA groove binder (netropsin, distamycin, etc.) with 1,3-diaminopropane followed by condensation with EDTA. These mols. are used for cleaving single- or double-stranded DNA in the presence of Fe(II) and O with sequence specificity which is either similar to or not available with naturally occurring restriction enzymes. Thus, bis(EDTA-distamycin)phenoxazine was prepared by using 3-benzoyloxy-4-methyl-2-nitrobenzoic acid and 4-nitro-tri-N-methylpyrrole-2-carboxylic acid as starting materials, and showed 100% cleavage of plasmid pBR322 DNA at 20.1 μ M in the presence of Fe(II), O, and dithiothreitol.
 ACCESSION NUMBER: 1991:531393 HCAPLUS
 DOCUMENT NUMBER: 115:131393
 TITLE: Preparation of bifunctional molecules having a DNA intercalator or DNA groove binder linked to EDTA for cleaving double-stranded DNA
 INVENTOR(S): Dervan, Peter B.; Hertzberg, Robert P.
 PATENT ASSIGNEE(S): California Institute of Technology, USA
 SOURCE: U.S., 59 pp. Cont.-in-part of U.S. 4,665,184.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4942227	A	19900717	US 1987-6442	19870123
US 4665184	A	19870512	US 1986-860604	19860507
PRIORITY APPLN. INFO.:			US 1982-338327	B2 19820111
			US 1983-540914	B1 19831012
			US 1986-860604	A2 19860507
			US 1982-338332	A2 19820111

OTHER SOURCE(S): MARPAT 115:131393
 IT 134986-15-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and reaction of, in preparation of bifunctional mols. having a DNA intercalator or DNA groove binder linked to EDTA for specific DNA cleavage)
 RN 134986-15-5 HCAPLUS
 CN 1H-Pyrrole-3-carboxylic acid, 5-[[[5-[[[4-[[[1,1-dimethyl-ethoxy]carbonyl]amino]-1-oxobutyl]amino]-1-methyl-1H-pyrrol-3-yl]carbonyl]amino]-1-methyl- (9CI) (CA INDEX NAME)



L8 ANSWER 37 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 08 Dec 1990
 GI



AB Title compds. I [R2 = H, alkyl, Cl, (un)substituted Ph, (un)substituted PhCH2; R4 = H, 1 or 2 substituents such as alkyl, HO, alkoxy, halo in 4-, 5-, 6-, or 7 position; alk = (un)substituted α,ω -alkylene (CH2)n; n = 2-6; NB = N3, H2N, alkylamino, hydroxyalkylamino, morpholino, thiomorpholino, piperidino, pyrrolidino, azetidinone, pyrrolidone, 1-piperazinyl, hexahydro-4H-1,4-diazepinyl, their oxides, etc.] or an acid addition salt thereof, useful as analgesics (no data) are prepared II [R = R3C2, R3COCH:CH, R3CO; R3 = cyclohexyl, heterocyclophenyl, aminomethylphenyl, (un)substituted styryl, biphenyl, (un)substituted naphthyl, heterocyclyl, etc.; C2 = CO, HONC; R1 = H, BNalk, BNCH2CH(OH)CH2] were also prepared and found to possess analgesic, antiinflammatory and antirheumatic activities. II [R = 3-(O2N)C6H4CO; R1 = 2-morpholinoethyl; R2 = Me; R4 = H] in EtOAc and AcOH was reduced with H over Pt oxide to give 83% III [R = 3-(H2N)C6H4CO; R4 = morpholinoethyl; R2 = Me; R4 = H] (III). III, on oral administration, showed and ED50 in acetylcholine-induced abdominal constriction and antibradykinin test of 16 and 53 mg, resp., and on the rat paw flexion test 0.12% at 100 mg/kg.

ACCESSION NUMBER: 1990:611828 HCAPLUS
 DOCUMENT NUMBER: 113:211828
 TITLE: Preparation of 1-(aminoalkyl)indoles useful as analgesic agents or as intermediates and their production processes
 INVENTOR(S): Bell, Malcolm R.
 PATENT ASSIGNEE(S): Sterling Drug Inc., USA
 SOURCE: Can., 114 pp. Division of Can. Appl. No. 488,073.
 CODEN: CAXXA4
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

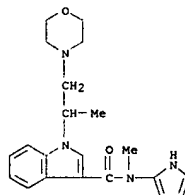
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 1258070	A2	19890801	CA 1988-576124	19880830
US 4581354	A	19860408	US 1985-755239	19850715
CA 1246563	A1	19891213	CA 1985-488073	19850802
US 4634776	A	19870106	US 1985-810942	19851219
US 32761	E	19881004	US 1987-29302	19870323
CA 1255305	A2	19890606	CA 1988-576122	19880830
CA 1255316	A2	19890606	CA 1988-576123	19880830
CA 1255312	A2	19890606	CA 1988-576125	19880830
CA 1258069	A2	19890801	CA 1988-576121	19880830
US 4885295	A	19891205	US 1988-255305	19881011
FI 8903253	A	19890704	FI 1989-3253	19890704
FI 8903254	A	19890704	FI 1989-3254	19890704
FI 8903255	A	19890704	FI 1989-3255	19890704
FI 8903256	A	19890704	FI 1989-3256	19890704
FI 8903257	A	19890704	FI 1989-3257	19890704
US 4978664	A	19901218	US 1989-409913	19890920
NO 9003304	A	19860207	NO 1990-3304	19900725

L8 ANSWER 36 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L8 ANSWER 37 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 NO 9003305 A 19860207 NO 1990-3305 19900725
 NO 9003306 A 19860207 NO 1990-3306 19900725
 US 5013732 A 19910507 US 1990-559787 19900730
 PRIORITY APPLN. INFO.:

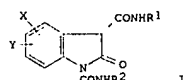
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1984-637931	A	19840806	US 1985-755239	A 19850715
CA 1985-488073	A3	19850802	FI 1985-2973	A 19850801
NO 1985-3066	A1	19850802	US 1985-810942	A1 19851219
US 1986-928335	A3	19861107	US 1988-255305	A3 19881011
US 1989-409913	A3	19890920		

OTHER SOURCE(S): CASREACT 113:211828; MARPAT 113:211828
 IT 125019-12-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of, as analgesic, antiinflammatory, and antirheumatic)
 RN 125019-12-7 HCAPLUS
 CN 1H-Indole-3-carboxamide, N-methyl-1-[1-methyl-2-(4-morpholinyl)ethyl]-N-1H-pyrrol-2-yl-, monohydrochloride (9CI) (CA INDEX NAME)



● HC1

L8 ANSWER 38 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 21 Jan 1989
 G1



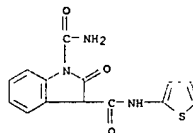
AB The title compds. [I: R1, R2 = H, C1-6 alkyl, C3-7 cycloalkyl, (un)substituted heterocyclyl; X = H, C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio, Br, Cl, F; Y = X, C3-6 cycloalkyl, CF3, NO2, MeCO, EtCO, PrCO, PhCO, thenoyl; adjacent XY = OCH2O] were prepared as inflammation inhibitors and analgesics (no data). To a slurry of 13.3 g oxindole (2-indolinone) in PhMe was added 15.6 g ClSO2NCO and the mixture heated on a steam bath to give 1-[(chlorosulfonyl)carbamoyl]oxindole which was heated in aqueous HOAc to give 11.48 g 1-carbamoyloxindole. The latter (1.0 g) and 1.28 g 2,4-Cl2C6H3NCO were stirred at 1 h 0-5° in DMF containing Et3N, followed by addition of 1N HCl and stirring 20 min. to give 290 mg I (R1 = 2,4-Cl2C6H3, R2 = X = Y = H).

ACCESSION NUMBER: 1989:23728 HCAPLUS
 DOCUMENT NUMBER: 110:23728
 TITLE: Preparation of oxindole-1,3-dicarboxamides as antiinflammatory agents
 Kadin, Saul B.
 INVENTOR(S):
 PATENT ASSIGNEE(S): Pfizer Inc., USA
 SOURCE: U.S., 30 pp. Cont.-in-part of U.S. Ser. No. 753,200, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

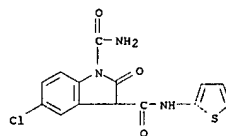
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4725616	A	19880216	US 1987-8105	19870120
ZA 8605019	A	19880224	ZA 1986-5019	19860707
DD 251971	A5	19871202	DD 1986-292280	19860708
US 4791129	A	19881213	US 1987-116123	19871109
PRIORITY APPLN. INFO.:			US 1985-753200	A2 19850709
			US 1987-8105	A3 19870120

OTHER SOURCE(S): CASREACT 110:23728; MARPAT 110:23728
 IT 107315-25-3P 107315-36-6P 107315-56-0P
 107315-80-0P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as antiinflammatory)
 RN 107315-25-3 HCAPLUS
 CN 1H-Indole-1,3-dicarboxamide, 2,3-dihydro-2-oxo-N3-2-thienyl- (9CI) (CA INDEX NAME)

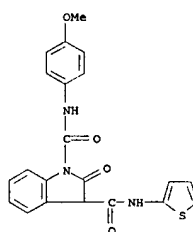
L8 ANSWER 38 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 107315-36-6 HCAPLUS
 CN 1H-Indole-1,3-dicarboxamide, 5-chloro-2,3-dihydro-2-oxo-N3-2-thienyl- (9CI) (CA INDEX NAME)

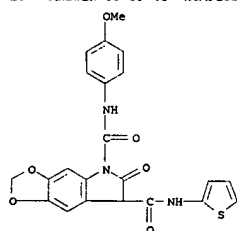


RN 107315-56-0 HCAPLUS
 CN 1H-Indole-1,3-dicarboxamide, 2,3-dihydro-N1-(4-methoxyphenyl)-2-oxo-N3-2-thienyl- (9CI) (CA INDEX NAME)

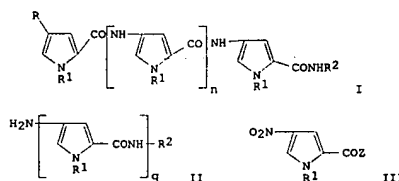


RN 107315-80-0 HCAPLUS
 CN 5H-1,3-Dioxolo[4,5-f]indole-5,7-dicarboxamide, 6,7-dihydro-N5-(4-methoxyphenyl)-6-oxo-N7-2-thienyl- (9CI) (CA INDEX NAME)

L8 ANSWER 38 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L8 ANSWER 39 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 15 May 1987
 G1



AB The title compds. [I: n = 0-4; R = NHR3 (R3 = CON(NO)R4 (R4 = C1-4 (halo)alkyl), CO(CH2)mR5 (R5 = halo, oxiranyl, methyloxiranyl, aziridinyl, cyclopropyl, moiety of alicyclic α,β -unsatd. ketone or lactone; m = 0-4)), NR6R7 (R6, R7 = oxiranylmethyl, aziridinylmethyl, substituted C2-4 alkyl; 1 of R6, R7 = H, the other as above), NO2, NH2, NHCHO; R1 = H, C1-6 alkyl; R2 = substituted C1-6 alkyl] and their pharmaceutically tolerable salts, useful as antiviral and antineoplastic agents, were prepared by 6 methods, e.g. reaction of aminopyrrole-2-carboxamide I: (q = 1-5) with nitropyrrole III (Z = leaving group) to give I (R = NO2). 3-[1-Methyl-4-[1-methyl-4-aminopyrrole-2-carboxamido]pyrrole-2-carboxamido]pyrrole-2-carboxamidolpropyldimethylamine-2HCl in aqueous NaHCO3 was acylated with 1-methyl-4-nitropyrrole-2-carboxyl chloride in THF at room temperature to give I [R = NO2, R1 = Me, R2 = (CH2)3NMe2, n = 2] (IV). In vitro tests, IV had an activity index .apprx.8 with herpes simplex-infected Hep #2 cells (activity index = maximum tolerable dose/min inhibitory concentration) and .apprx.4 with Coxsackie B infected Hep #2 cells: compared to .apprx.4 and <1, resp., for distamycin. A formulation for 10,000 tablets comprised IV 500, lactose 1400, cornstarch 500, talcum powder 50, and Mg stearate 20 g.

ACCESSION NUMBER: 1987:156157 HCAPLUS
 DOCUMENT NUMBER: 106:156157
 TITLE: Poly-4-aminopyrrole-2-carboxamide derivatives, procedure for their preparation, and antiviral and antineoplastic pharmaceuticals containing them
 Arcamone, Federico; Mongelli, Nicola; Penco, Sergio
 INVENTOR(S): Farmitalia Carlo Erba S.p.A., Italy
 PATENT ASSIGNEE(S): Ger. Offen., 35 pp.
 SOURCE: CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3623880	A1	19870129	DE 1986-3623880	19860715
US 4766142	A	19880823	US 1985-783588	19851003
SE 8603098	A	19870117	SE 1986-3098	19860711
DE 468642	B	19930222		
SE 468642	C	19930617		

L8 ANSWER 39 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

AT 8601888	A	19880415	AT 1986-1888	19860711
AT 387013	B	19881125		
AU 8660202	A1	19870122	AU 1986-60202	19860714
AU 587841	B2	19890831		
NL 8601837	A	19870216	NL 1986-1837	19860714
HU 43088	A2	19870928	HU 1986-2904	19860714
HU 205949	B	19920728		
ES 2000502	A6	19880301	ES 1986-290	19860714
IL 79402	A1	19910610	IL 1986-79402	19860714
BE 905110	A1	19870115	BE 1986-216924	19860715
DK 8603359	A	19870117	DK 1986-3359	19860715
NO 8602860	A	19870119	NO 1986-2860	19860715
NO 168826	B	19911230		
NO 168826	C	19920408		
FR 2585018	A1	19870123	FR 1986-10294	19860715
FR 2585018	B1	19890713		
ZA 8605263	A	19870325	ZA 1986-5263	19860715
JP 62077362	A2	19870409	JP 1986-164879	19860715
SU 1544185	A3	19900215	SU 1986-4027809	19860715
CH 674206	A	19900515	CH 1986-2820	19860715
CA 1285934	A1	19910709	CA 1986-513760	19860715
FI 8602959	A	19870117	FI 1986-2959	19860716
FI 83640	B	19910430		
FI 83640	C	19910812		
GB 2178036	A1	19870204	GB 1986-17292	19860716
GB 2178036	B2	19890816		
CN 86104787	A	19870218	CN 1986-104787	19860716
CN 1018825	B	19921028		
CS 276991	B6	19921118	CS 1986-5412	19860716
SU 1609445	A3	19901123	SU 1987-4203699	19871126
			GB 1985-17922	A 19850716
			GB 1986-13594	A 19860604

PRIORITY APPLN. INFO.:

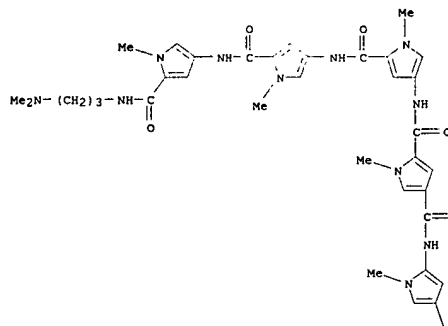
IT 107580-36-99

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiviral and antineoplastic agent)

RN 107580-36-9 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[5-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]methyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[1-methyl-4-[[[1-methyl-4-nitro-1H-pyrrol-2-yl]amino]carbonyl]-1H-pyrrol-2-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)

L8 ANSWER 39 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

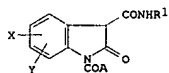
PAGE 1-A



PAGE 2-A

NO2

L8 ANSWER 40 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 01 May 1987
GI



AB The title compds. I [X = H, Br, Cl, F, Cl-4 alkyl, alkylthio, alkoxy, C3-6 cycloalkyl, NO2, CF3, C2-4 acyl, Bz, thenoyl; Y = H, Br, Cl, Cl-4 alkyl, alkoxy, alkylthio; optionally XY = 4,5-, 5,6-, 6,7-OCH2O; A = NHR2, R3, NHCOR3; R1, R2 = H, Cl-6 alkyl, C3-7 cycloalkyl, heterocyclyl, (substituted)Ph; R3 = Cl-6 alkyl, Ph] and their salts, prepared by the reaction of the appropriate oxindole with R1NCO or R1NH2, are useful as antiinflammatory and analgesic agents (no data). To 1-carbamoyloxindole, and Et3N in DMF, was added 2,4-Cl2C6H3NCO to give after addition of 1N HCl I (X = Y = H; A = NH2; R1 = 2,4-Cl2C6H3).

ACCESSION NUMBER: 1987:138254 HCAPLUS
DOCUMENT NUMBER: 106:138254

TITLE: Preparation of 1-substituted oxindole-3-carboxamides as antiinflammatory and analgesic agents

INVENTOR(S): Kadin, Saul Bernard

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: Eur. Pat. Appl., 56 pp.

CODEN: EPKXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 208510	A2	19870114	EP 1986-305144	19860702
EP 208510	A3	19880302		
EP 208510	B1	19910911		
R1, AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4678802	A	19870707	US 1986-825017	19860131
AT 67185	E	19910915	AT 1986-305144	19860702
CA 1286663	A1	19910723	CA 1986-513184	19860707
DK 8603242	A	19870110	DK 1986-3242	19860708
FI 8602882	A	19870110	FI 1986-2882	19860708
NO 8602750	A	19870112	NO 1986-2750	19860708
JP 6206269	A2	19870204	JP 1986-160675	19860708
JP 06010193	B4	19940209		
AU 8659847	A1	19870409	AU 1986-59847	19860708
AU 566065	B2	19871008		
HU 41386	A2	19870428	HU 1986-2844	19860708
HU 198015	B	19890728		
ES 2001855	A6	19880701	ES 1986-191	19860708
IL 79356	A1	19900319	IL 1986-79356	19860708
CN 86105309	A	19870114	CN 1986-105309	19860709
ES 2009227	A6	19890916	ES 1987-3589	19871215
PRIORITY APPLN. INFO.:				
			US 1985-753200	A 19850709
			US 1986-821296	A 19860122
			US 1986-825017	A 19860131
			EP 1986-305144	A 19860702

OTHER SOURCE(S): CASREACT 106:138254
IT 107315-25-3P 107315-36-6P 107315-56-0P

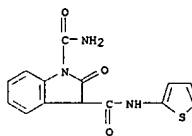
L8 ANSWER 40 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

107315-80-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as analgesic and antiinflammatory agent)

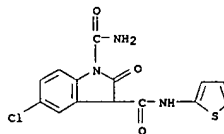
RN 107315-25-3 HCAPLUS

CN 1H-Indole-1,3-dicarboxamide, 2,3-dihydro-2-oxo-N3-2-thienyl- (9CI) (CA INDEX NAME)



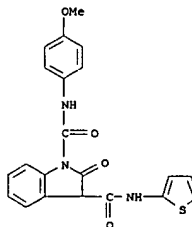
RN 107315-36-6 HCAPLUS

CN 1H-Indole-1,3-dicarboxamide, 5-chloro-2,3-dihydro-2-oxo-N3-2-thienyl- (9CI) (CA INDEX NAME)



RN 107315-56-0 HCAPLUS

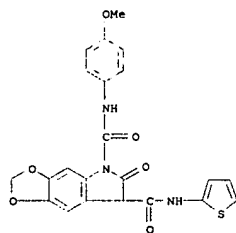
CN 1H-Indole-1,3-dicarboxamide, 2,3-dihydro-N1-(4-methoxyphenyl)-2-oxo-N3-2-thienyl- (9CI) (CA INDEX NAME)



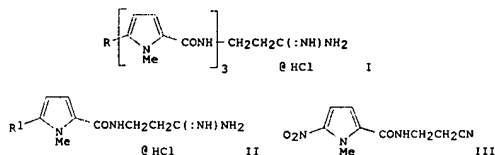
RN 107315-80-0 HCAPLUS

CN 5H-1,3-Dioxolo[4,5-f]indole-5,7-dicarboxamide, 6,7-dihydro-N5-(4-

L8 ANSWER 40 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
methoxyphenyl]-6-oxo-N7-2-thienyl- (9CI) (CA INDEX NAME)



L8 ANSWER 41 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN
ED Entered STN: 12 May 1984
GI

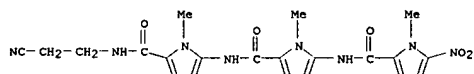


AB Distamycin A and congoicidine isomers and homologs I (R = NO₂, HCONH) and II [R₁ = NO₂, H₂NCH₂CH₂CONH] were prepared and their cytotoxicity tested. Thus, acylation of H₂NCH₂CH₂CN by 1-methyl-5-nitro-2-pyrrolecarboxyl chloride gave the pyrrolylcarboxamidopropionitrile III, which was treated with EtOH-HCl at 0° for 1 h and then with NH₃(g) to give II (R₁ = NO₂). I were obtained by successive acylation-reduction reactions of 1-methyl-5-nitro-2-carboxylic acid. II (R₁ = NO₂) possessed the highest antiviral activity in the series, and was less toxic and had the same antiviral activity as distamycin A.

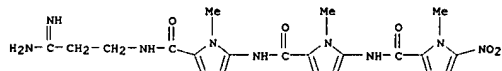
ACCESSION NUMBER: 1981:192034 HCAPLUS
DOCUMENT NUMBER: 94:192034
TITLE: Structure-activity relationships of pyrrole amide antiviral antibiotics. III: Preparation of distamycin and congoicidine derivatives based on 2,5-disubstituted pyrroles
AUTHOR(S): Bialer, Meir; Yagen, Boris; Mechoulam, Raphael; Becker, Yechiel
CORPORATE SOURCE: Pharm. Sch., Hebrew Univ., Jerusalem, Israel
SOURCE: Journal of Pharmaceutical Sciences (1980), 69(11), 1334-8
CODEN: JPMSAE; ISSN: 0022-3549
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 77604-46-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and aminolysis of, carboxamidamide derivative from)
RN 77604-46-7 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(2-cyanoethyl)amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-5-[[[(1-methyl-5-nitro-1H-pyrrol-2-yl)carbonyl]amino]- (9CI) (CA INDEX NAME)

L8 ANSWER 41 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)

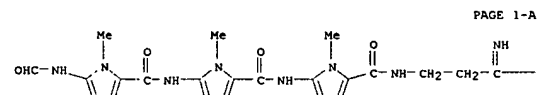


IT 77604-47-8P 77604-48-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antiviral activity of)
RN 77604-47-8 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-5-[[[(1-methyl-5-nitro-1H-pyrrol-2-yl)carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 77604-48-9 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-5-[[[5-(formylamino)-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



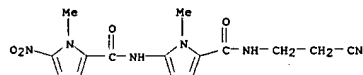
● HCl

PAGE 1-B

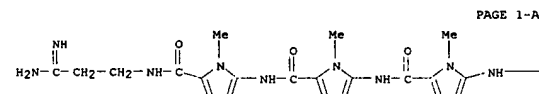
—NH₂

IT 77604-45-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and reduction-acylation reactions of)
RN 77604-45-6 HCAPLUS

L8 ANSWER 41 OF 41 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN 1H-Pyrrole-2-carboxamide, N-[5-[[[(2-cyanoethyl)amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-5-nitro- (9CI) (CA INDEX NAME)



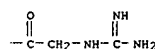
IT 77604-49-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 77604-49-0 HCAPLUS
CN 1H-Pyrrole-2-carboxamide, 5-[[[(5-[[[(aminoiminomethyl)amino]acetyl]amino]-1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-N-[5-[[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



PAGE 1-A

● 2 HCl

PAGE 1-B



Ngrazier 10680346expA2A3A4A6A9

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

204.99

372.12

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

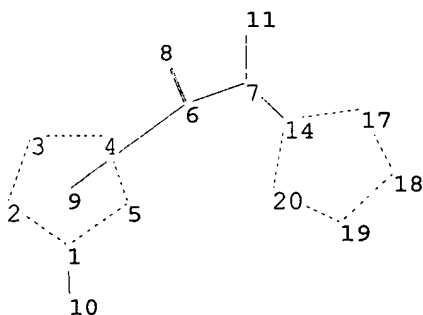
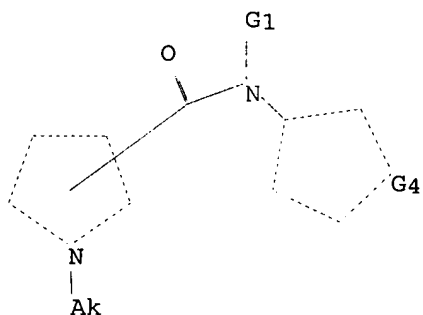
SESSION

CA SUBSCRIBER PRICE

-29.93

-29.93

STN INTERNATIONAL LOGOFF AT 13:53:33 ON 30 AUG 2005



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

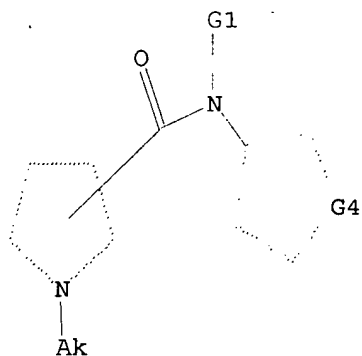
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 H, Me
G2 O, S
G3 O, N
G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 17:24:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2836 TO ITERATE

70.5% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53526 TO 59914
PROJECTED ANSWERS: 10740 TO 13706

L2 50 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 17:24:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54653 TO ITERATE

100.0% PROCESSED 54653 ITERATIONS 11606 ANSWERS
SEARCH TIME: 00.00.04

L3 11606 SEA SSS FUL L1

=> fil hcaplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 161.76 161.97

FILE 'HCAPLUS' ENTERED AT 17:24:59 ON 30 AUG 2005
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FILE COVERS 1907 - 30 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 29 Aug 2005 (20050829/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 1844 L3

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.45

164.42

FILE 'REGISTRY' ENTERED AT 17:25:13 ON 30 AUG 2005
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3
DICTIONARY FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

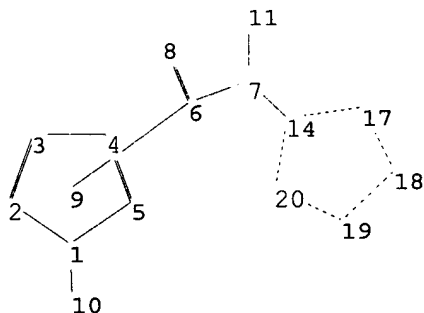
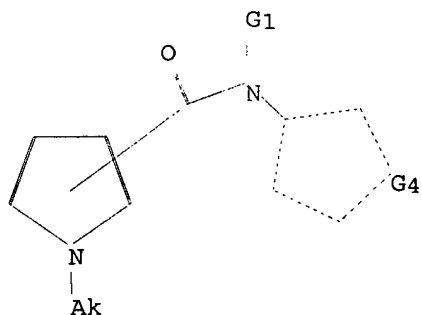
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\exp3update.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

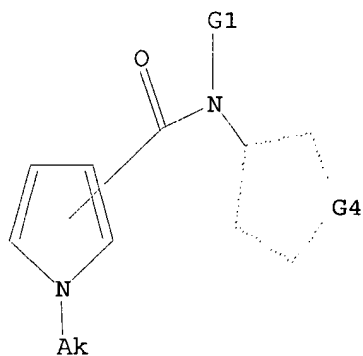
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L5 STRUCTURE UPLOADED

=> d l5

L5 HAS NO ANSWERS

L5 STR



G1 H, Me

G2 O, S

G3 O, N

G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l5

SAMPLE SEARCH INITIATED 17:26:27 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2836 TO ITERATE

70.5% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53526 TO 59914
PROJECTED ANSWERS: 10553 TO 13495

L6 50 SEA SSS SAM L5

=> s l5 full

FULL SEARCH INITIATED 17:26:34 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 54653 TO ITERATE

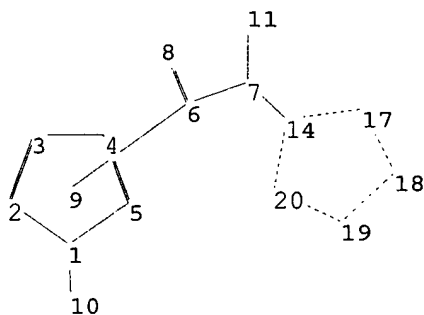
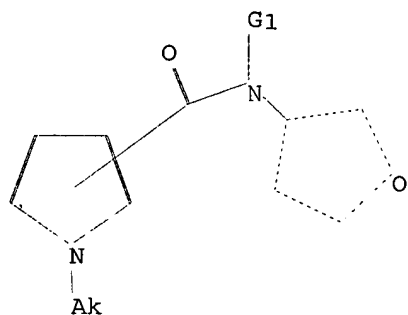
100.0% PROCESSED 54653 ITERATIONS
SEARCH TIME: 00.00.07

11202 ANSWERS

L7 11202 SEA SSS FUL L5

=>

Uploading C:\Program Files\Stnexp\Queries\ppp.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

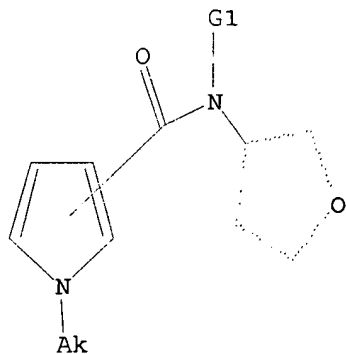
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



G1 H, Me

G2 O, S

G3 O, N

G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l8

SAMPLE SEARCH INITIATED 17:28:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1636 TO ITERATE

100.0% PROCESSED 1636 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 30294 TO 35146

PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 full

FULL SEARCH INITIATED 17:28:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 33735 TO ITERATE

100.0% PROCESSED 33735 ITERATIONS

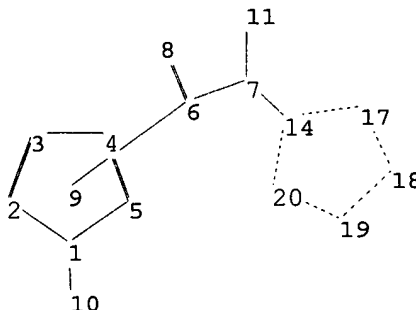
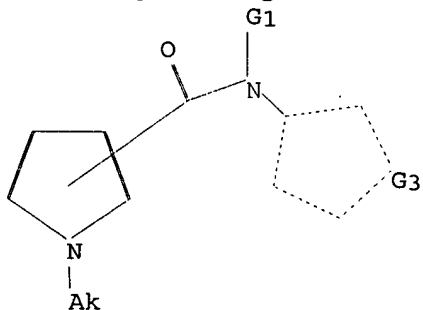
6 ANSWERS

SEARCH TIME: 00.00.01

L10 6 SEA SSS FUL L8

=>

Uploading C:\Program Files\Stnexp\Queries\oooo.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

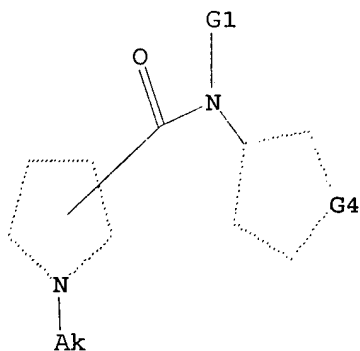
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L11 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H,Me

G2 O,S

G3 O,N

G4 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l11

SAMPLE SEARCH INITIATED 17:29:40 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2664 TO ITERATE

75.1% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 50185 TO 56375
PROJECTED ANSWERS: 10244 TO 13144

L12 50 SEA SSS SAM L11

=> fil hcaplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
325.67	490.09

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 17:30:42 ON 30 AUG 2005
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FILE COVERS 1907 - 30 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 29 Aug 2005 (20050829/ED)

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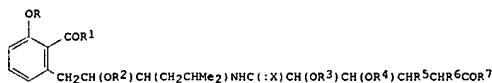
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10

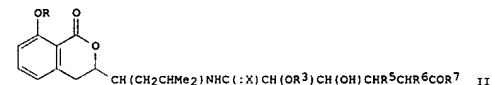
L13 1 L10

=> d ed abs ibib hitstr l13

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 12 May 1984
 GI



I



II

AB Seven compds. with antiulcer activity, produced by *Bacillus pumilus* strain AI-77 during aerobic culture, have the structures I and II. These compds. also have antiinflammatory, anticholesteremic, antiarrhythmic, and vasodilatory activities and are intermediates for preparation of further compds. with these activities. For example, II-HCl (X = NH; R = R3 = R6 = H; R5 = NH2; R7 = OH) [77715-24-3] was produced by aerobic cultivation of *B. pumilus* AI-77 in 100 L defatted soybean meal-glucose-salts medium for 20 h at 30°, and was purified from the culture filtrate by chromatog. on Amberlite IRC-50 and XAD-2; the yield was 4.3 g. This compound at 50 mg/kg i.p. provided 100% protection against stress-induced ulcers in rats. The other 6 compds. were produced by *B. pumilus* in defatted soybean meal-corn steep liquor-sucrose-salts medium and separated by chromatog.

ACCESSION NUMBER: 1981:478461 HCAPLUS
 DOCUMENT NUMBER: 95:78461
 TITLE: AI-77 compounds and their pharmaceutically acceptable salts
 PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd., Japan
 SOURCE: Meth. Appl., 221 pp.
 CODEN: MAXXAN
 DOCUMENT TYPE: Patent
 LANGUAGE: Dutch
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 8003985	A	19810113	NL 1980-3985	19800710
NL 187069	B	19901217		
NL 187069	C	19910516		
JP 56012352	A2	19810206	JP 1979-86892	19790711
JP 63034863	B4	19880712		
JP 56158778	A2	19811207	JP 1980-61685	19800512
JP 02046595	B4	19901016		

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 GB 2058047 A 19810408 GB 1980-22059 19800704
 GB 2058047 B2 19830921
 FR 2476085 A1 19810821 FR 1980-15179 19800708
 FR 2476085 B1 19850920
 DE 3026214 A1 19810409 DE 1980-3026214 19800710
 DE 3026214 C2 19890803
 CH 654005 A 19860131 CH 1980-5281 19800710
 US 4393225 A 19830712 US 1980-167581 19800711
 JP 63045274 A2 19880226 JP 1987-109723 19870507
 JP 03071428 B4 19911113

PRIORITY APPLN. INFO.:

JP 1979-86892 A 19790711
 JP 1980-61685 A 19800512

OTHER SOURCE(S): CASREACT 95:78461

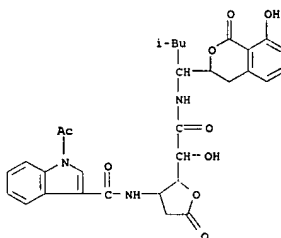
IT 77676-02-9 77676-13-2 77676-14-3

77677-19-1 77677-24-8 77700-94-8

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (ulcer-inhibiting activity of)

RN 77676-02-9 HCAPLUS

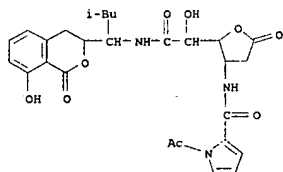
CN Hexonic acid, 3-[[[(1-acetyl-1H-indol-3-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[[1-(3,4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



RN 77676-13-2 HCAPLUS

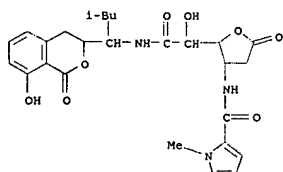
CN Hexonic acid, 3-[[[(1-acetyl-1H-pyrrol-2-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[[1-(3,4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



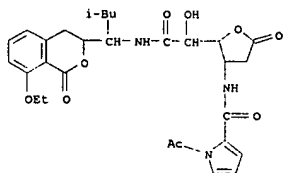
RN 77676-14-3 HCAPLUS

CN Hexonic acid, 2,3,6-trideoxy-6-[[[1-(3,4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-3-[[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



RN 77677-19-1 HCAPLUS

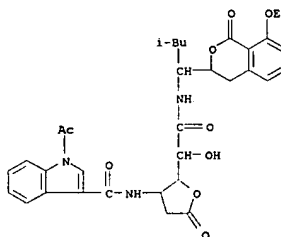
CN Hexonic acid, 3-[[[(1-acetyl-1H-pyrrol-2-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[[1-(8-ethoxy-3,4-dihydro-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



RN 77677-24-8 HCAPLUS

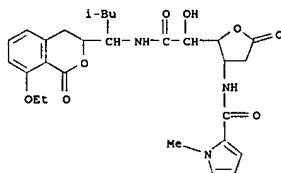
CN Hexonic acid, 3-[[[(1-acetyl-1H-indol-3-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[[1-(8-ethoxy-3,4-dihydro-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 77700-94-8 HCAPLUS

CN Hexonic acid, 2,3,6-trideoxy-6-[[[1-(8-ethoxy-3,4-dihydro-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-3-[[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



=> fil reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
9.84	499.93

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.73	-0.73

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FILE 'REGISTRY' ENTERED AT 17:31:41 ON 30 AUG 2005
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 provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3
 DICTIONARY FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

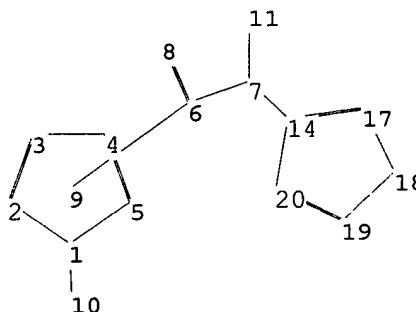
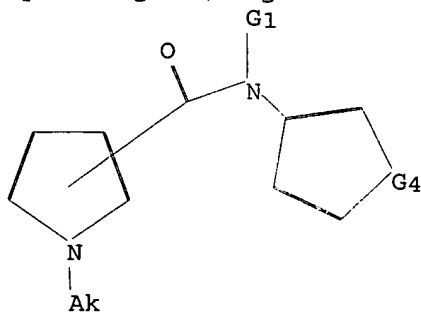
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Structure search iteration limits have been increased. See HELP SLIMITS
 for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
 Uploading C:\Program Files\Stnexp\Queries\nnn.str



chain nodes :
 6 7 8 10 11
 ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

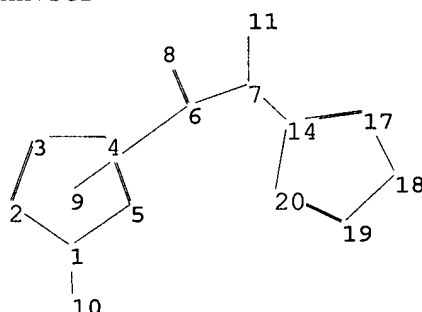
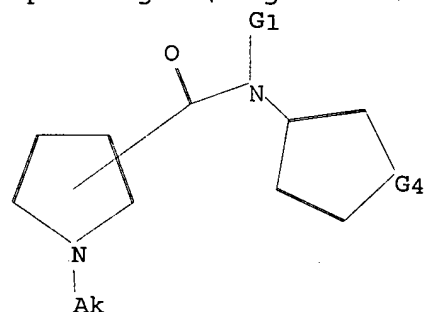
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L14 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\nnn.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

Ngrazier 10680346exp3

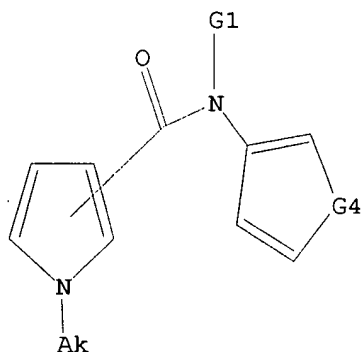
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L15 STRUCTURE UPLOADED

=> d l15

L15 HAS NO ANSWERS

L15 STR



G1 H,Me

G2 O,S

G3 O,N

G4 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l15

SAMPLE SEARCH INITIATED 17:33:09 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2836 TO ITERATE

70.5% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53526 TO 59914
PROJECTED ANSWERS: 10420 TO 13344

L16 50 SEA SSS SAM L15

=> s l15 full

FULL SEARCH INITIATED 17:33:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 54653 TO ITERATE

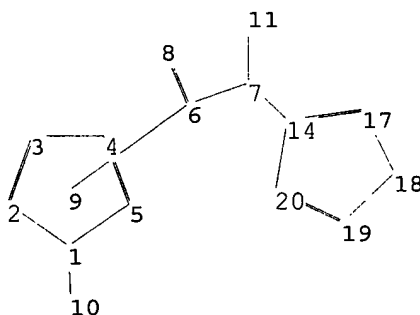
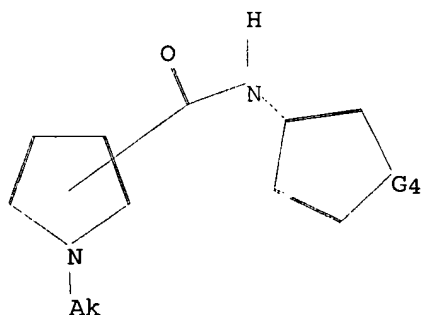
100.0% PROCESSED 54653 ITERATIONS
SEARCH TIME: 00.00.04

11063 ANSWERS

L17 11063 SEA SSS FUL L15

=>

Uploading C:\Program Files\Stnexp\Queries\yyyy.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

isolated ring systems :

containing 1 : 14 :

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

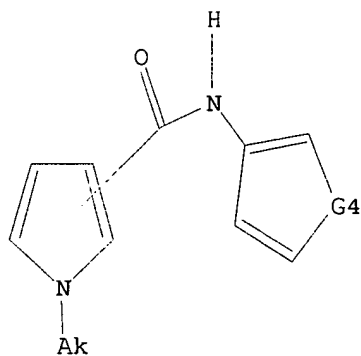
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L18 STRUCTURE UPLOADED

=> d l18

L18 HAS NO ANSWERS

L18 STR



G1 H, Me
G2 O, S
G3 O, N
G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l18
SAMPLE SEARCH INITIATED 17:35:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1019 TO ITERATE

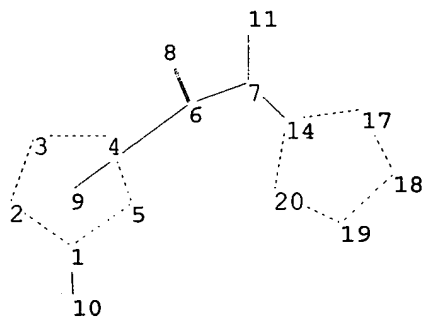
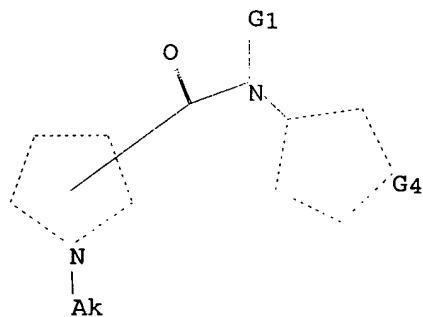
100.0% PROCESSED 1019 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 18465 TO 22295
PROJECTED ANSWERS: 10098 TO 12980

L19 50 SEA SSS SAM L18

=> log y		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	163.48	663.41
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

STN INTERNATIONAL LOGOFF AT 17:35:22 ON 30 AUG 2005



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

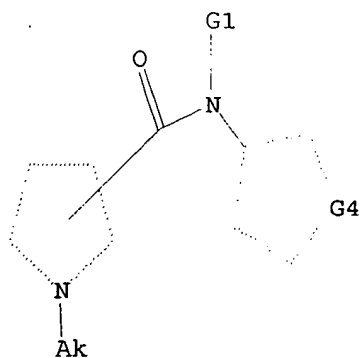
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H, Me
G2 O, S
G3 O, N
G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 17:24:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2836 TO ITERATE

70.5% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53526 TO 59914
PROJECTED ANSWERS: 10740 TO 13706

L2 50 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 17:24:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54653 TO ITERATE

100.0% PROCESSED 54653 ITERATIONS 11606 ANSWERS
SEARCH TIME: 00.00.04

L3 11606 SEA SSS FUL L1

=> fil hcaplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
161.76	161.97

FILE 'HCAPLUS' ENTERED AT 17:24:59 ON 30 AUG 2005
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FILE COVERS 1907 - 30 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 29 Aug 2005 (20050829/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 1844 L3

=> fil reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	2.45	164.42

FILE 'REGISTRY' ENTERED AT 17:25:13 ON 30 AUG 2005
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3
DICTIONARY FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

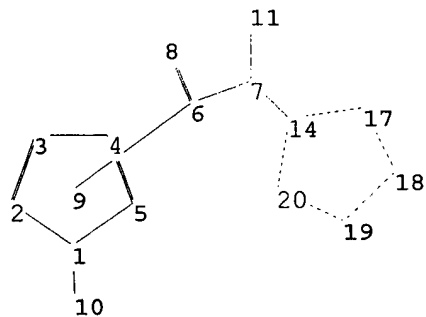
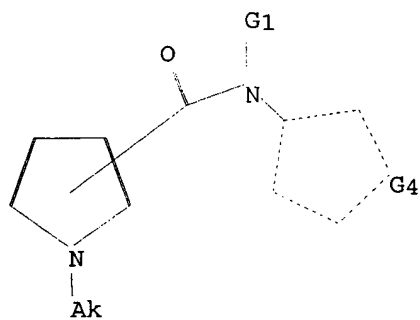
Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading C:\Program Files\Stnexp\Queries\exp3update.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

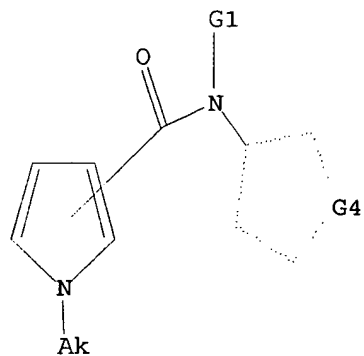
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L5 STRUCTURE UPLOADED

=> d l5

L5 HAS NO ANSWERS

L5 STR



G1 H, Me
G2 O, S
G3 O, N
G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l5

SAMPLE SEARCH INITIATED 17:26:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2836 TO ITERATE

70.5% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53526 TO 59914
PROJECTED ANSWERS: 10553 TO 13495

L6 50 SEA SSS SAM L5

=> s l5 full

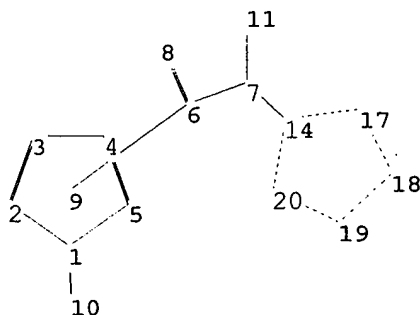
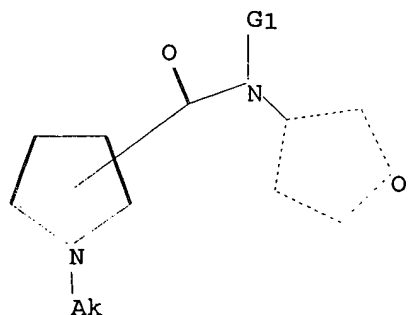
FULL SEARCH INITIATED 17:26:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54653 TO ITERATE

100.0% PROCESSED 54653 ITERATIONS 11202 ANSWERS
SEARCH TIME: 00.00.07

L7 11202 SEA SSS FUL L5

=>

Uploading C:\Program Files\Stnexp\Queries\ppp.str



```

chain nodes :
6 7 8 10 11
ring nodes :
1 2 3 4 5 14 17 18 19 20
chain bonds :
1-10 6-7 6-8 7-11 7-14
ring bonds :
1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20
exact/norm bonds :
1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

```

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

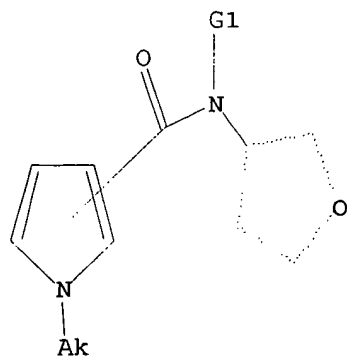
```

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



G1 H,Me
G2 O,S
G3 O,N
G4 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l8
SAMPLE SEARCH INITIATED 17:28:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1636 TO ITERATE

100.0% PROCESSED 1636 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 30294 TO 35146
PROJECTED ANSWERS: 0 TO 0

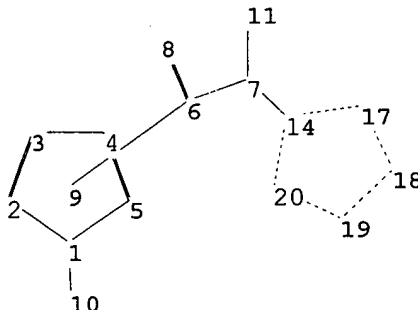
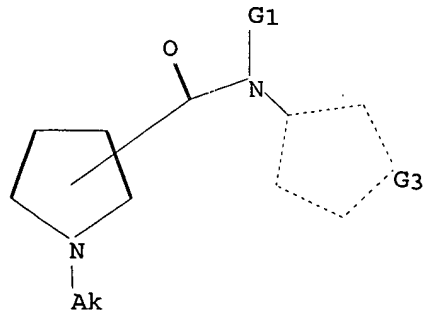
L9 0 SEA SSS SAM L8

=> s l8 full
FULL SEARCH INITIATED 17:28:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 33735 TO ITERATE

100.0% PROCESSED 33735 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

L10 6 SEA SSS FUL L8

=>
Uploading C:\Program Files\Stnexp\Queries\oooo.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

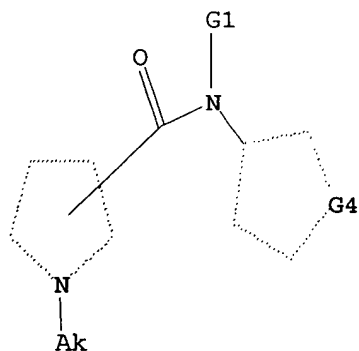
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L11 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H,Me

G2 O,S

G3 O,N

G4 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l11

SAMPLE SEARCH INITIATED 17:29:40 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2664 TO ITERATE

75.1% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 50185 TO 56375
PROJECTED ANSWERS: 10244 TO 13144

L12 50 SEA SSS SAM L11

=> fil hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

325.67

490.09

FILE 'HCAPLUS' ENTERED AT 17:30:42 ON 30 AUG 2005
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FILE COVERS 1907 - 30 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 29 Aug 2005 (20050829/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

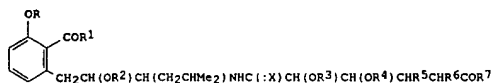
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10

L13 1 L10

=> d ed abs ibib hitstr l13

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
 ED Entered STN: 12 May 1984
 GI



I



II

AB Seven compds. with antiulcer activity, produced by *Bacillus pumilus* strain AI-77 during aerobic culture, have the structures I and II. These compds. also have antiinflammatory, anticholesteremic, antiarrhythmic, and vasodilatory activities and are intermediates for preparation of further compds. with these activities. For example, II-HCl (X = NH; R = R3 = R6 = H; R5 = NH2; R7 = OH) (77719-24-3) was produced by aerobic cultivation of *B. pumilus* AI-77 in 100 L defatted soybean meal-glucose-salts medium for 20 h at 30°, and was purified from the culture filtrate by chromatog. on Amberlite IRC-50 and XAD-2; the yield was 4.3 g. This compound at 50 mg/kg i.p. provided 100% protection against stress-induced ulcers in rats. The other 6 compds. were produced by *B. pumilus* in defatted soybean meal-corn steep liquor-sucrose-salts medium and separated by chromatog.

ACCESSION NUMBER: 1981:478461 HCAPLUS
 DOCUMENT NUMBER: 95:78461
 TITLE: AI-77 compounds and their pharmaceutically acceptable salts
 PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd., Japan
 SOURCE: Meth. Appl., 221 pp.
 CODEN: NAOXAN
 DOCUMENT TYPE: Patent
 LANGUAGE: Dutch
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 8003985	A	19810113	NL 1980-3985	19800710
NL 187069	B	19901217		
NL 187069	C	19910516		
JP 56012352	A2	19810206	JP 1979-86892	19790711
JP 63034863	B4	19880712		
JP 56158778	A2	19811207	JP 1980-61685	19800512
JP 02046585	B4	19901016		

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 GB 2058047 A 19810408 GB 1980-22059 19800704
 GB 2058047 B2 19830921
 FR 2476085 A1 19810821 FR 1980-15179 19800708
 FR 2476085 B1 19850920
 DE 3026214 A1 19810409 DE 1980-3026214 19800710
 DE 3026214 C2 19890803
 CH 654005 A 19860131 CH 1980-5281 19800710
 US 4393225 A 19830712 US 1980-167581 19800711
 JP 63045274 A2 19880226 JP 1987-109723 19870507
 JP 03071428 B4 19911113

PRIORITY APPLN. INFO.:

JP 1979-86892 A 19790711
 JP 1980-61685 A 19800512

OTHER SOURCE(S): CASREACT 95:78461

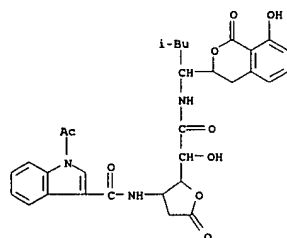
IT 77676-02-9 77676-13-2 77676-14-3

77677-19-1 77677-24-8 77700-94-8

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (ulcer-inhibiting activity of)

RN 77676-02-9 HCAPLUS

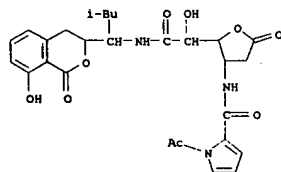
CN Hexonic acid, 3-[[[1-(1-acetyl-1H-indol-3-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[1-(3,4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



RN 77676-13-2 HCAPLUS

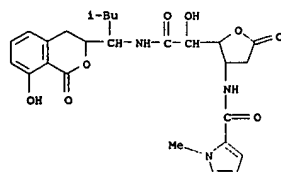
CN Hexonic acid, 3-[[[1-(1-acetyl-1H-pyrrol-2-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[1-(3,4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



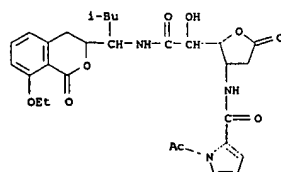
RN 77676-14-3 HCAPLUS

CN Hexonic acid, 2,3,6-trideoxy-6-[[1-(3,4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-3-[[[1-(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



RN 77677-19-1 HCAPLUS

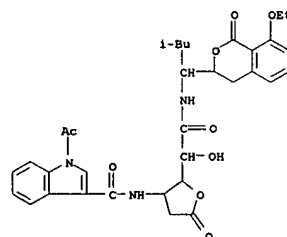
CN Hexonic acid, 3-[[[1-(1-acetyl-1H-pyrrol-2-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[1-(8-ethoxy-3,4-dihydro-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



RN 77677-24-8 HCAPLUS

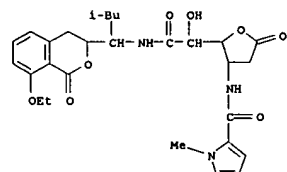
CN Hexonic acid, 3-[[[1-(1-acetyl-1H-indol-3-yl)carbonyl]amino]-2,3,6-trideoxy-6-[[1-(8-ethoxy-3,4-dihydro-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 77700-94-8 HCAPLUS

CN Hexonic acid, 2,3,6-trideoxy-6-[[1-(8-ethoxy-3,4-dihydro-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]amino]-3-[[[1-(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-6-oxo-, γ-lactone (9CI) (CA INDEX NAME)



=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.84

499.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.73

-0.73

FILE 'REGISTRY' ENTERED AT 17:31:41 ON 30 AUG 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3

DICTIONARY FILE UPDATES: 29 AUG 2005 HIGHEST RN 862072-85-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

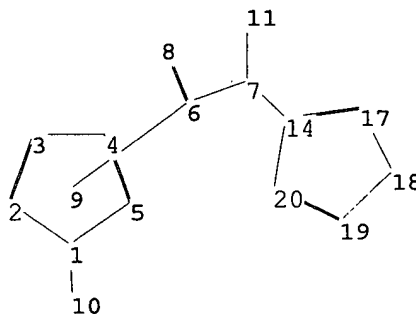
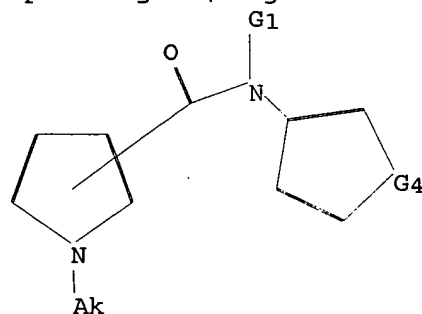
 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\nnn.str



chain nodes :
 6 7 8 10 11
 ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

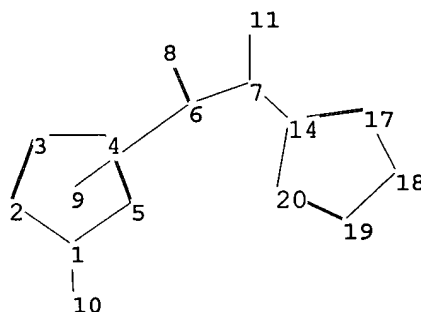
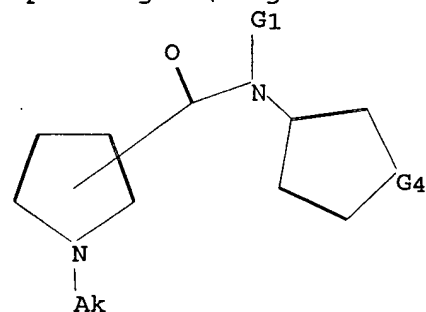
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L14 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\nnn.str



chain nodes :

6 7 8 10 11

ring nodes :

1 2 3 4 5 14 17 18 19 20

chain bonds :

1-10 6-7 6-8 7-11 7-14

ring bonds :

1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20

exact/norm bonds :

1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

Match level :

Ngrazier 10680346exp3

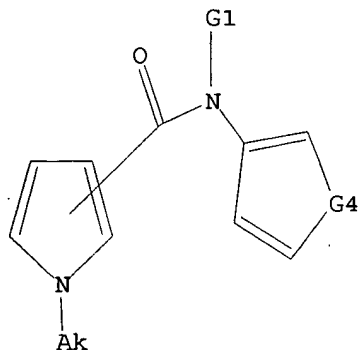
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L15 STRUCTURE UPLOADED

=> d l15

L15 HAS NO ANSWERS

L15 STR



G1 H, Me

G2 O, S

G3 O, N

G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l15

SAMPLE SEARCH INITIATED 17:33:09 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2836 TO ITERATE

70.5% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53526 TO 59914
PROJECTED ANSWERS: 10420 TO 13344

L16 50 SEA SSS SAM L15

=> s l15 full

FULL SEARCH INITIATED 17:33:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 54653 TO ITERATE

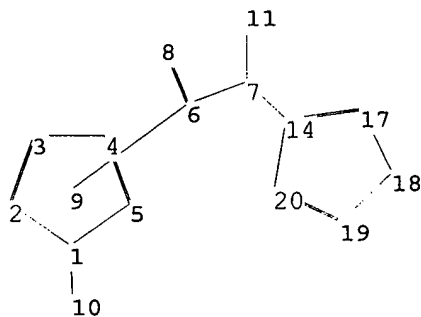
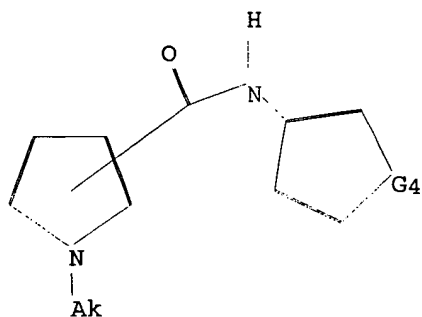
100.0% PROCESSED 54653 ITERATIONS
SEARCH TIME: 00.00.04

11063 ANSWERS

L17 11063 SEA SSS FUL L15

=>

Uploading C:\Program Files\Stnexp\Queries\yyyy.str



chain nodes :
 6 7 8 10 11
 ring nodes :
 1 2 3 4 5 14 17 18 19 20
 chain bonds :
 1-10 6-7 6-8 7-11 7-14
 ring bonds :
 1-2 1-5 2-3 3-4 4-5 14-17 14-20 17-18 18-19 19-20
 exact/norm bonds :
 1-2 1-5 1-10 2-3 3-4 4-5 6-7 6-8 7-11 7-14 14-17 14-20 17-18 18-19 19-20
 isolated ring systems :
 containing 1 : 14 :

G1:H,CH3

G2:O,S

G3:O,N

G4:O,S,N

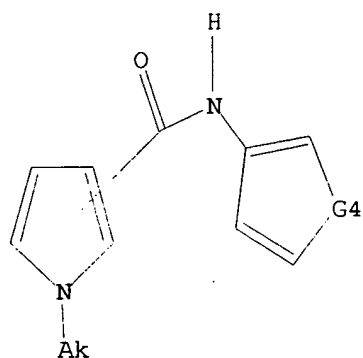
Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom

L18 STRUCTURE UPLOADED

=> d l18

L18 HAS NO ANSWERS

L18 STR



G1 H, Me
G2 O, S
G3 O, N
G4 O, S, N

Structure attributes must be viewed using STN Express query preparation.

=> s l18

SAMPLE SEARCH INITIATED 17:35:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1019 TO ITERATE

100.0% PROCESSED 1019 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 18465 TO 22295
PROJECTED ANSWERS: 10098 TO 12980

L19 50 SEA.SSS SAM L18

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
163.48	663.41

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.73

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 17:35:22 ON 30 AUG 2005